

GENERAL INFORMATION:						
APPLICANT: Ben-Sasson, Shmuel A.						
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES						
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES						
NUMBER OF SEQUENCES: 22						
CORRESPONDENCE ADDRESS: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.						
STREET: Two Militia Drive						
CITY: Lexington						
STATE: Massachusetts						
COUNTRY: USA						
ZIP: 02173						
COMPUTER READABLE FORM:						
MEDIUM TYPE: Floppy disk						
COMPUTER: IBM PC compatible						
OPERATING SYSTEM: PC-DOS/MS-DOS						
SOFTWARE: Patentin Release #1.0, Version #1.30						
CURRENT APPLICATION DATA:						
APPLICATION NUMBER: US-08/861,338						
FILING DATE: 21-MAY-1997						
CLASSIFICATION: 514						
ATTORNEY/AGENT INFORMATION:						
NAME: Brook, David E.						
REGISTRATION NUMBER: 22,592						
REFERENCE/DOCKET NUMBER: CMCC-590						
TELECOMMUNICATION INFORMATION:						
TELEPHONE: (781) 861-6240						
TELEFAX: (781) 861-9540						
INFORMATION FOR SEQ ID NO: 15:						
SEQUENCE CHARACTERISTICS:						
LENGTH: 9 amino acids						
TYPE: amino acid						
STRANDEDNESS: not relevant						
TOPOLOGY: not relevant						
MOLECULE TYPE: peptide						
FEATURE:						
NAME/KEY: Modified-site						
LOCATION: 1						
OTHER INFORMATION: /note= "N-Acetyl Methionine"						
FEATURE:						
NAME/KEY: Modified-site						
LOCATION: 9						
OTHER INFORMATION: /note= "Gamma Benzyl Ester of						
OTHER INFORMATION: Glutamic Acid-NH2"						
US-08-861-338-15						
SUMMARIES						
Result No.	Score	Query Match	Length	DB ID	Description	
1	4.9	100.0	9	3	Sequence 15, App1	
2	4.9	100.0	11	3	Sequence 19, App1	
3	4.9	100.0	272	1	Sequence 12, App1	
4	4.9	100.0	272	2	Sequence 12, App1	
5	4.9	100.0	685	2	Sequence 1, App1	
6	4.9	100.0	685	3	Sequence 2, App1	
7	4.9	100.0	685	3	Sequence 1, App1	
8	4.9	100.0	685	3	Sequence 2, App1	
9	4.6	93.9	9	3	Sequence 17, App1	
10	4.1	83.7	8	3	Sequence 16, App1	
11	4.1	83.7	273	1	Sequence 10, App1	
12	4.1	83.7	273	2	Sequence 10, App1	
13	4.1	83.7	416	1	Sequence 2, App1	
14	4.1	83.7	416	2	Sequence 2, App1	
15	4.1	83.7	464	1	Sequence 6, App1	
16	4.1	83.7	464	2	Sequence 6, App1	
17	4.1	83.7	925	1	Sequence 4, App1	
18	4.1	83.7	925	2	Sequence 4, App1	
19	4.0	81.6	9	3	Sequence 18, App1	
20	4.0	81.6	20	3	Sequence 6, App1	
21	4.0	81.6	272	1	Sequence 14, App1	
22	4.0	81.6	272	2	Sequence 14, App1	
23	4.0	81.6	603	3	Sequence 2, App1	
24	4.0	81.6	603	4	Sequence 26, App1	
25	3.9	79.6	264	2	Sequence 17, App1	
26	3.9	79.6	271	1	Sequence 11, App1	
27	3.9	79.6	271	2	Sequence 11, App1	
28	3.9	79.6	271	2	Sequence 11, App1	

Query Match 100.0%; Score 49; DB 3; Length 9;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRRPFFE 9
 Db 1 MLLGRRPFFE 9

RESULT 2
 US-08-861-338-19

; Sequence 19, Application US/08861338

; Patent No. 6174993

; GENERAL INFORMATION:

; APPLICANT: Ben-Sasson, Shmuel A.

; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY

; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

; STREET: Two Militia Drive

; CITY: Lexington

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02173

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/252,995D

; FILING DATE: 02-JUN-1994

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Kurdydyk, Linda M

; REGISTRATION NUMBER: 34,971

; REFERENCE/DOCKET NUMBER: 3153-96

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (416) 364-7311

; TELEFAX: (416) 361-1398

; INFORMATION FOR SEQ ID NO: 12:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 272 amino acids

; TYPE: amino acid

; STRANDEDNESS: Single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; ORIGINAL SOURCE:

; ORGANISM: Mus musculus

; US-08-252-995D-12

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 1; Length 272;

; Feature:

; Name/Key: Modified-site

; Location: 9

; Other Information: /note= "N-Acetyl Methionine"

; Feature:

; Name/Key: Modified-site

; Location: 11

; Other Information: /note= "Serine-NH2"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: Modified-site

; Location: 9

; Other Information: /note= "Glutamic Acid Benzyl Ester"

; Feature:

; Name/Key: Modified-site

; Location: 11

; Other Information: /note= "Serine-NH2"

; US-08-861-338-19

; Sequence 12, Application US/08252995D
 ; Patent No. 5650501

; GENERAL INFORMATION:

; APPLICANT: Dennis, James W

; Heffernan, Mike

; Fode, Carol

; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BERESKIN & PARR

; STREET: 40 King Street West

; CITY: Toronto

; STATE: Ontario

; COUNTRY: Canada

; ZIP: M5H 3Y2

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 1; Length 272;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

; US-08-861-338-19

; Query Match

; Best Local Similarity

; Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Score 49; DB 3; Length 11;

; Feature:

; Name/Key: MLLGRRPFFE 9

; Location: 536

; Other Information: /note= "536"

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 US-08-834-108-12

Query Match 100.0%; Score 49; DB 2; Length 272;
 Best Local Similarity 100.0%; Pred. No. 0.13;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
 DB 199 MLLGRPPFE 207

RESULT 5
 US-08-878-989-1
 Sequence 1, Application US/088788989
 Patent No. 5885803
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

CURRENT APPLICATION DATA:
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/136,282
 FILING DATE: 20-AUG-1998
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700
 TELEX: 846169

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein

RESULT 6
 US-09-136-282-2
 Sequence 2, Application US/09136282
 Patent No. 6063609
 GENERAL INFORMATION:
 APPLICANT: ANDERSON, KAREN
 APPLICANT: JACKSON, JEFFREY
 APPLICANT: HANSBURY, MICHAEL
 APPLICANT: NERUKAR, SANDHYA
 APPLICANT: ROSHAK, AMY
 APPLICANT: BOUZYK, MARK
 TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ratner & Prestia
 STREET: P.O. Box 980
 CITY: Valley Forge
 STATE: PA
 COUNTRY: USA
 ZIP: 19482
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/136,282
 FILING DATE: 20-AUG-1998
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700
 TELEX: 846169

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 100.0%; Score 49; DB 3; Length 685;
 Best Local Similarity 100.0%; Pred. No. 0.34;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 7
 US-09-272-796-1
 ; Sequence 1, Application US/09272796
 ; Patent No. 6207148
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Guegler, Karl G.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Goli, Surya K.
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 ; TITLE OF INVENTION: KINASES
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/272,796
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J J
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PF-0321 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-845-4166
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 685 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: HUVENOB01
 ; CLONE: 39043
 ; US-09-272-796-1

Query Match 100.0%; Score 49; DB 3; Length 685;
 Best Local Similarity 100.0%; Pred. No. 0.34;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 273 MLLGRPPFE 281

RESULT 8
 US-09-505-744-2
 ; Sequence 2, Application US/09505744
 ; Patent No. 6245544
 ; GENERAL INFORMATION:
 ; APPLICANT: Karen M. Anderson

Query Match 100.0%; Score 49; DB 3; Length 685;
 Best Local Similarity 100.0%; Pred. No. 0.34;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 273 MLLGRPPFE 281

RESULT 9
 US-08-861-338-17
 ; Sequence 17, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Millitia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/861,338
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brook, David E.
 ; REFERENCE/DOCKET NUMBER: 514
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 781-861-6240
 ; TELEFAX: 781-861-9540
 ; INFORMATION FOR SEQ ID NO: 1:
 ; REFERENCE/DOCKET NUMBER: CMCC-590
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (781) 861-6240
 ; TELEFAX: (781) 861-9540
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 9 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: peptide
 ; MOLECULE TYPE: peptide
 ; FEATURE:
 ; NAME/KEY: Modified-site
 ; LOCATION: 1
 ; OTHER INFORMATION: /note= "N-Acetyl Methionine"

FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Gamma Benzyl Ester of Glutamine Acid-NH2"
 US-08-861-338-17

Query Match 93.9%; Score 46; DB 3; Length 9;
 Best Local Similarity 88.9%; Pred. No. 3e+05;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFE 9
 Db 1 MLLGKPPFE 9

RESULT 10
 US-08-861-338-16
 Sequence 16, Application US/08861338
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CURRENT APPLICATION DATA:
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 CURRENT APPLICATION DATA:
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M.
 REGISTRATION NUMBER: 34,971
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M.
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 273 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-252-995D-10

Query Match 83.7%; Score 41; DB 1; Length 273;
 Best Local Similarity 66.7%; Pred. No. 3.9;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFE 9
 Db 1 MLLGKPPFE 208

RESULT 12
 US-08-834-108-10
 Sequence 10, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W.
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CURRENT APPLICATION DATA:
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 APPLICANT:
 NAME/KEY: Modified-site
 LOCATION: 8
 OTHER INFORMATION: /note= "Phenylalanine-NH2"
 US-08-861-338-16

Query Match 83.7%; Score 41; DB 3; Length 8;
 Best Local Similarity 87.5%; Pred. No. 3e+05;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPFE 8
 Db 1 MLLGKPPF 8

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 273 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-834-108-10

Query Match 83.7%; Score 41; DB 2; Length 273;
 Best Local Similarity 66.7%; Pred. No. 3.9;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
 Db 200 LLIGRPPFD 208

RESULT 13
 US-08-252-995D-2
 Sequence 2, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-2

RESULT 15
 US-08-252-995D-6
 Sequence 6, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR

US-08-252-995D-2
 Query Match 83.7%; Score 41; DB 1; Length 416;
 Best Local Similarity 66.7%; Pred. No. 6.1;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGRPPFE 9
 Db 204 LLIGRPPFD 212

RESULT 14
 US-08-834-108-2
 Sequence 2, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-2

Query Match 83.7%; Score 41; DB 2; Length 416;
 Best Local Similarity 66.7%; Pred. No. 6.1;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGRPPFE 9
 Db 204 LLIGRPPFD 212

RESULT 15
 US-08-252-995D-6
 Sequence 6, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR

STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-6

Query Match 83.7%; Score 41; DB 1; Length 464;
 Best Local Similarity 66.7%; Pred. No. 6.8;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 :|||:|||:
 Db 204 LLIGRPPFD 212

RESULT 16
 US-08-834-108-6
 Sequence 6, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Heffernan, Mike
 Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 925 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-4

Query Match 83.7%; Score 41; DB 1; Length 925;
 Best Local Similarity 66.7%; Pred. No. 14;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 :|||:|||:
 Db 204 LLIGRPPFD 212

RESULT 18
 US-08-834-108-4
 Sequence 4, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Heffernan, Mike
 Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 925 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-4

RESULT 19
 US-08-861-338-18
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 US-08-861-338-6

Query Match 81.6%; Score 40; DB 3; Length 9;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 LGRPPFE 9
 |||||
 Db 1 LGRPPFE 7

RESULT 20
 US-08-861-338-6
 Sequence 6, Application US/08861338
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 US-08-861-338-6

Query Match 81.6%; Score 40; DB 3; Length 20;

Best Local Similarity 66.7%; Pred. No. 0.41;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 3 LLVGKPPFE 11

RESULT 21
 US-08-252-995D-14
 ; Sequence 14, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 272 amino acids
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Mus musculus
 ; US-08-834-108-14

Query Match 81.6%; Score 40; DB 2; Length 272;
 Best Local Similarity 66.7%; Pred. No. 6;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 199 LLVGKPPFE 207

RESULT 23
 US-09-198-122-2
 ; Sequence 2, Application US/09198122
 ; Patent No. 6180380
 ; GENERAL INFORMATION:
 ; APPLICANT: Strebhardt, Klaus; Rubsamen-Waigmann, Helga;
 ; APPLICANT: Holtrich, Uwe
 ; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
 ; TITLE OF INVENTION: THREONINE-KINASE FAMILY
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 ; STREET: 660 White Plains Road
 ; CITY: Tarrytown
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10591-5144
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 ; MEDIUM TYPE: storage
 ; COMPUTER: NEC Powermate SX-20
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: WordPerfect 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/198,122
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/601,014
 ; FILING DATE: 23-FEB-1996
 ; APPLICATION NUMBER: PCT/EP94/02863
 ; FILING DATE: 30-AUG-1994

Best Local Similarity 66.7%; Pred. No. 6;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 199 LLVGKPPFE 207

RESULT 22
 US-08-834-108-14
 ; Sequence 14, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 4329177

FILING DATE: 30-AUG-1993

ATTORNEY/AGENT INFORMATION:

NAME: Kurt G. Briscoe

REGISTRATION NUMBER: 33,141

REFERENCE/DOCKET NUMBER: Bayer 9516-KGB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (914) 332-1700

TELEFAX: (914) 332-1844

TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 603 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-09-198-122-2

Query Match 81.6%; Score 40; DB 3; Length 603;

Best Local Similarity 66.7%; Pred. No. 14;

Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9

Db 244 LLVGKPPFE 252

RESULT 24

US-09-311-311C-26

Sequence 26, Application US/09311311C

Patent No. 6358738

GENERAL INFORMATION:

APPLICANT: Erikson, et al.

TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS, METHODS, AND USES THEREFOR

FILE REFERENCE: 1874/117

CURRENT APPLICATION NUMBER: US/09/311,311C

CURRENT FILING DATE: 1999-05-13

PRIOR APPLICATION NUMBER: US 60/085,296

PRIOR FILING DATE: 1998-05-13

NUMBER OF SEQ ID NOS: 27

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 26

LENGTH: 603

TYPE: PRT

ORGANISM: *Mus musculus*

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (1)...(603)

OTHER INFORMATION: Plk protein

US-09-311-311C-26

Query Match 81.6%; Score 40; DB 4; Length 603;

Best Local Similarity 66.7%; Pred. No. 14;

Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9

Db 244 LLVGKPPFE 252

RESULT 25

US-07-857-224B-17

Sequence 17, Application US/07857224B

Patent No. 5958784

GENERAL INFORMATION:

APPLICANT: Benner, Steven A.

TITLE OF INVENTION: Predicting Folded Structures of Proteins

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESS:

ADDRESSEE: Steven A. Benner

STREET: Hadlaubstrasse 151

CITY: Zurich

STATE: none

COUNTRY: Switzerland

ZIP: (note: this is an international post code) CH-8092

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage

COMPUTER: Apple Macintosh

OPERATING SYSTEM: Macintosh 7.0

SOFTWARE: Microsoft Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/857,224B

FILING DATE: 03/25/92

CLASSIFICATION: 436

PRIOR APPLICATION DATA: none

TELECOMMUNICATION INFORMATION:

TELEPHONE: (International) 41 1 632 2830

TELEFAX: (International) 41 1 262 2437

TELEX: none

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 264

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE:

DESCRIPTION: protein

ORIGINAL SOURCE:

ORGANISM: *Drosophila melanogaster*

FEATURE: Protein kinase; Table 8 Column 18

PUBLICATION INFORMATION:

AUTHORS: Hanks, S. K.

AUTHORS: Quinn, A. M.

AUTHORS: Hunter, T.

TITLE: The Protein kinase family

JOURNAL: Science

VOLUME: 241

PAGES: 42-52

US-07-857-224B-17

Query Match 79.6%; Score 39; DB 2; Length 264;

Best Local Similarity 66.7%; Pred. No. 8.9;

Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9

Db 195 MLVGQPPFD 203

RESULT 26

US-08-252-995D-11

Sequence 11, Application US/08252995D

Patent No. 5650501

GENERAL INFORMATION:

APPLICANT: Dennis, James W

APPLICANT: Heffernan, Mike

APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

STREET: 40 King Street West

CITY: Toronto

STATE: Ontario

COUNTRY: Canada

ZIP: M5H 3Y2

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/252,995D

; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-96
 ; TELECOMMUNICATION INFORMATION:
 ; TELEFAX: (416) 364-7311
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 79.6%; Score 39; DB 1; Length 271;
 Best Local Similarity 66.7%; Pred. No. 9.2;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 198 LLVGQPPFE 206

RESULT 28

US-09-739-455-12

; Sequence 12, Application US/09739455
 ; Patent No. 6413756
 ; GENERAL INFORMATION:
 ; APPLICANT: YAN, Chunhua et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL000653
 ; CURRENT APPLICATION NUMBER: US/09/739,455
 ; CURRENT FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 303
 ; TYPE: PRT
 ; ORGANISM: Leishmania mexicana
 ; US-09-739-455-12

Query Match 79.6%; Score 39; DB 4; Length 303;
 Best Local Similarity 88.9%; Pred. No. 10;
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 207 MLLGRPLFE 215

RESULT 29

US-09-739-455-22

; Sequence 22, Application US/09739455
 ; Patent No. 6413756
 ; GENERAL INFORMATION:
 ; APPLICANT: YAN, Chunhua et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL000653
 ; CURRENT APPLICATION NUMBER: US/09/739,455
 ; CURRENT FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 22
 ; LENGTH: 303
 ; TYPE: PRT
 ; ORGANISM: Leishmania mexicana
 ; US-09-739-455-22

Query Match 79.6%; Score 39; DB 4; Length 303;
 Best Local Similarity 88.9%; Pred. No. 10;
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 207 MLLGRPLFE 215

RESULT 30

US-09-252-991A-28679

; Sequence 28679, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.

; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-834-108-11

Query Match 79.6%; Score 39; DB 1; Length 108;
 Best Local Similarity 66.7%; Pred. No. 9.2;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 198 LLVGQPPFE 206

; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-834-108-11

1 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 1 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 1 FILE REFERENCE: 107196.136
 1 CURRENT APPLICATION NUMBER: US/09/252,991A
 1 CURRENT FILING DATE: 1999-02-18
 1 PRIOR APPLICATION NUMBER: US 60/074,788
 1 PRIOR FILING DATE: 1998-02-18
 1 PRIOR APPLICATION NUMBER: US 60/094,190
 1 PRIOR FILING DATE: 1998-07-27
 1 NUMBER OF SEQ ID NOS: 33142
 1 SEQ ID NO: 28679
 1 LENGTH: 259
 1 TYPE: PRT
 1 ORGANISM: *Pseudomonas aeruginosa*
 1 US-09-252-991A-28679

Query Match 77.6%; Score 38; DB 4; Length 259;
 Best Local Similarity 100.0%; Pred. No. 13;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPE 7
 Db 152 MLLGRPPE 158

RESULT 31
 US-08-252-995D-13
 Sequence 13, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 275 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: *Saccharomyces cerevisiae*
 US-08-834-108-13

Query Match 77.6%; Score 38; DB 2; Length 275;
 Best Local Similarity 55.6%; Pred. No. 14;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPE 9
 Db 200 LLIGKPPFQ 208

RESULT 33
 US-08-755-728-3
 Sequence 3, Application US/08755728
 Patent No. 5962312
 GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles

Query Match 77.6%; Score 38; DB 1; Length 275;
 Best Local Similarity 55.6%; Pred. No. 14;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/755,728
 FILING DATE: No. 5962312ember 25, 1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-974-655-3

Query Match 77.6%; Score 38; DB 2; Length 344;
 Best Local Similarity 66.7%; Pred. No. 18;
 Matches 6; Conservatve 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRRPFFE 9
 Db 266 LLVGNPPFE 274

RESULT 35
 US-09-283-011-3
 Sequence 3, Application US/09283011
 Patent No. 6207401
 GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135
 FILING DATE: January 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995

Query Match 77.6%; Score 38; DB 2; Length 344;
 Best Local Similarity 66.7%; Pred. No. 18;
 Matches 6; Conservatve 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRRPFFE 9
 Db 266 LLVGNPPFE 274

RESULT 34
 US-08-974-655-3
 Sequence 3, Application US/08974655
 Patent No. 5972676
 GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,655
 FILING DATE:

ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEX: 67-3510
 FAX: (213) 955-0440
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TOPOLGY: linear
 STRANDEDNESS: single
 TYPE: amino acid
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-283-011-3

RESULT 36
 US-09-016-000-1
 ; Sequence 1, Application US/09016000
 ; Patent No. 5962232
 GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Akerblom, Ingrid E.
 ; APPLICANT: Shah, Purvi
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Guegler, Karl G.
 TITLE OF INVENTION: PROTEIN KINASE MOLECULES
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/755,728
 FILING DATE: NO. 5962312ember 25, 1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-755-728-4

STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HMC1NOT01
 CLONE: 2940
 US-09-016-000-1

Query Match 77.6%; Score 38; DB 2; Length 403;
 Best Local Similarity 75.0%; Pred. No. 21;
 Matches 6; Conservative 2; Mismatches 0;
 Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
 : : : : : : : : :
 Db 269 LLVGNPPFE 277

RESULT 37
 US-08-755-728-4
 ; Sequence 4, Application US/08755728
 ; Patent No. 5962312
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/755,728
 FILING DATE: NO. 5962312ember 25, 1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-755-728-4

APPLICANT: Mossie, Kevin TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135
 FILING DATE: January 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-283-011-4
 Query Match 77.6%; Score 38; DB 3; Length 403;
 Best Local Similarity 75.0%; Pred. No. 21;
 Matches 6; Conservative 2; Mismatches 0; Gaps 0;
 RESULT 40
 US-09-772-647-4
 Sequence 4, Application US/09772647
 Patent No. 6521815
 GENERAL INFORMATION:
 APPLICANT: Reddig, Peter J
 APPLICANT: Jansen, Aaron P
 TITLE OF INVENTION: Animal Model System for Squamous Cell
 FILE REFERENCE: 960296.97613
 CURRENT APPLICATION NUMBER: US/09/772,647
 CURRENT FILING DATE: 2001-01-30
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn Ver 2.1

 RESULT 38
 US-08-974-655-4
 ; Sequence 4, Application US/08974655
 ; GENERAL INFORMATION:
 ; Patent No. 5972676
 ; ADDRESS: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/974,655
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/755,728
 ; FILING DATE: No. 5972676ember 25, 1996
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 223/113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 403 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-08-974-655-4
 ; Query Match 77.6%; Score 38; DB 3; Length 403;
 ; Best Local Similarity 75.0%; Pred. No. 21;
 ; Matches 6; Conservative 2; Mismatches 0; Gaps 0;
 ; RESULT 40
 ; US-09-772-647-4
 ; Sequence 4, Application US/09772647
 ; Patent No. 6521815
 ; GENERAL INFORMATION:
 ; APPLICANT: Reddig, Peter J
 ; APPLICANT: Jansen, Aaron P
 ; TITLE OF INVENTION: Animal Model System for Squamous Cell
 ; FILE REFERENCE: 960296.97613
 ; CURRENT APPLICATION NUMBER: US/09/772,647
 ; CURRENT FILING DATE: 2001-01-30
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver 2.1

 RESULT 39
 US-09-283-011-4
 ; Sequence 4, Application US/09283011
 ; Patent No. 6207401
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory

; SEQ ID NO 4
; LENGTH: 737
; TYPE: PRT
; ORGANISM: Artificial Sequence
;
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T7 tag and
; OTHER INFORMATION: mouse protein kinase C epsilon coding sequence
US-09-772-647-4

Query Match 77.6%; Score 38; DB 4; Length 737;
Best Local Similarity 66.7%; Pred. No. 39;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY	1	MLLGRPPFE 9
	:	
Db	600	MMAGQPPFE 608

Search completed: June 9, 2004, 11:03:06
Job time : 13.3261 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 36.1957 Seconds
(without alignments)
69.954 Million cell updates/sec

Title: US-09-736-076-15
Perfect score: 49
Sequence: 1 MLLGRPPFEE 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep: *
2: /cgn2_6/ptodata/1/pubpaa/PCT_6_PUB.pep: *
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep: *
4: /cgn2_6/ptodata/1/pubpaa/US05_PUBCOMB.pep: *
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep: *
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep: *
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep: *
8: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep: *
9: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep: *
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep: *
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep: *
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep: *
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep: *
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep: *
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep: *
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep: *
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep: *
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	4.9	100.0	9	9	US-09-736-076-15	Sequence 15, Appl
2	4.9	100.0	10	9	US-09-736-076-15	Sequence 57, Appl
3	4.9	100.0	11	9	US-09-736-076-15	Sequence 19, Appl
4	4.9	100.0	400	14	US-10-026-021-5	Sequence 5, Appl
5	4.9	100.0	469	14	US-10-059-585-14	Sequence 14, Appl
6	4.9	100.0	685	9	US-09-771-161A-249	Sequence 249, Appl
7	4.9	100.0	685	9	US-09-771-161A-250	Sequence 250, Appl
8	4.9	100.0	685	9	US-09-771-161A-251	Sequence 251, Appl
9	4.9	100.0	685	10	US-09-769-970-1	Sequence 1, Appl
10	4.9	100.0	685	12	US-10-260-708-69	Sequence 69, Appl
11	4.9	100.0	685	14	US-10-024-298A-101	Sequence 101, Appl
12	4.9	100.0	685	14	US-10-042-211A-101	Sequence 101, Appl
13	4.9	100.0	685	16	US-10-617-217A-101	Sequence 101, Appl
14	4.9	100.0	753	15	US-10-264-049-3138	Sequence 3124, Appl
15	4.6	93.9	9	9	US-09-736-076-17	Sequence 17, Appl

RESULTS

ALIGMENTS

RESULT 1
US-09-736-076-15
; Sequence 15, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09-736,076
; CURRENT FILING DATE: 2000-11-13
; PRIORITY APPLICATION NUMBER: US 08/861,338
; PRIORITY FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) .. (0)
; OTHER INFORMATION: position 9 is benzylicester
; NAME/KEY: AMIDATION
; LOCATION: (0) .. (9)
; OTHER INFORMATION: J42
; US-09-736-076-15
; Query Match 100.0%; Score 49; DB 9; Length 9;
; Best Local Similarity 100.0%; Pred. No. 1e+06;
; Matches 9; Conservative 0; Mismatches 0;
; Indels 0; Gaps 0;

US-09-736-076-57
 ; Sequence 57, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 6 8
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 57
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: MYRISTATE
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 10 is benzylerster
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(10)
 ; OTHER INFORMATION: SNK
 ; US-09-736-076-57

Query Match 100.0%; Score 49; DB 9; Length 10;
 Best Local Similarity 100.0%; Pred. No. 0.048;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGRRPPE 9
 Db 2 MLLGRRPPE 10

RESULT 3
 US-09-736-076-19
 ; Sequence 19, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 6 8
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 19
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 9 is benzylerster
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(11)
 ; OTHER INFORMATION: J46
 ; US-09-736-076-19

Query Match 100.0%; Score 49; DB 9; Length 11;
 Best Local Similarity 100.0%; Pred. No. 0.052;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGRRPPE 9
 Db 1 MLLGRRPPE 9

RESULT 4
 US-10-026-021-5
 ; Sequence 5, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchua
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: Patentin ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) ..(400)
 ; OTHER INFORMATION: human SNK mitotic kinase domain
 ; US-10-026-021-5

Query Match 100.0%; Score 49; DB 14; Length 400;
 Best Local Similarity 100.0%; Pred. No. 1.7;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGRRPPE 9
 Db 273 MLLGRRPPE 281

RESULT 5
 US-10-059-585-14
 ; Sequence 14, Application US/10059585
 ; Publication No. US20030082776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ota, Toshio
 ; APPLICANT: Isogai, Takao
 ; APPLICANT: Nishikawa, Tetsuo
 ; APPLICANT: Hayashi, Koji
 ; APPLICANT: Otsuka, Kaoru
 ; APPLICANT: Yamamoto, Jun-ichi
 ; APPLICANT: Ishii, Shizuko
 ; APPLICANT: Sugiyama, Tomoyasu
 ; APPLICANT: Wakamatsu, Ai
 ; APPLICANT: Nagai, Keiichi
 ; APPLICANT: Otsuki, Tetsuji
 ; APPLICANT: Funahashi, Shin-ichi
 ; APPLICANT: Senoo, Chiaki
 ; APPLICANT: Nezu, Jun-Ichi
 ; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
 ; KINASE/PROTEIN PHOSPHATASE
 ; FILE REFERENCE: 06501-098001
 ; CURRENT APPLICATION NUMBER: US/10/059,585
 ; CURRENT FILING DATE: 2002-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP00/05060
 ; PRIOR FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: US 60/183,322
 ; PRIOR FILING DATE: 2000-02-17
 ; PRIOR APPLICATION NUMBER: US 60/159,590
 ; PRIOR FILING DATE: 1999-10-18
 ; PRIOR APPLICATION NUMBER: JP 2000-118776
 ; PRIOR FILING DATE: 2000-01-11
 ; PRIOR APPLICATION NUMBER: JP 2000-183767
 ; PRIOR FILING DATE: 2000-05-02
 ; PRIOR APPLICATION NUMBER: JP 11-248036
 ; PRIOR FILING DATE: 1999-07-29

```

; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-059-585-14

Query Match          100.0%;  Score 49;  DB 9;  Length 685;
Best Local Similarity 100.0%;  Pred. No. 2.9;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
Qy      1 MLLGRPPFE 9
Db      273 MLLGRPPFE 281
RESULT 8
US-09-771-161A-251
; Sequence 251, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 251
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-251

Query Match          100.0%;  Score 49;  DB 9;  Length 685;
Best Local Similarity 100.0%;  Pred. No. 2.9;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
Qy      1 MLLGRPPFE 9
Db      273 MLLGRPPFE 281
RESULT 9
US-09-769-970-1
; Sequence 1, Application US/09769970
; Publication No. US20030170219A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Hillman, Jennifer L.
; Corley, Neil C.
; Guegler, Karl G.
; Lal, Preeti
; Goli, Surya K.
; Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/769,970
; FILING DATE: 24-Jan-2001

; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-250

```

```

CLASSIFICATION: <Unknown>
  / PRIOR APPLICATION DATA:
    / APPLICATION NUMBER: 09/272,796
    / FILING DATE: <Unknown>
  ATTORNEY/AGENT INFORMATION:
    / NAME: Billings, Lucy J J
    / REGISTRATION NUMBER: 36,749
    / REFERENCE/DOCKET NUMBER: PF-0321 US
    / TELECOMMUNICATION INFORMATION:
      / TELEPHONE: 415-855-0555
      / TELEFAX: 415-845-4166
      / TELEX: <Unknown>
    / INFORMATION FOR SEQ ID NO: 1:
      / SEQUENCE CHARACTERISTICS:
        / LENGTH: 685 amino acids
        / TYPE: amino acid
        / STRANDEDNESS: single
        / TOPOLOGY: linear
      / IMMEDIATE SOURCE:
        / LIBRARY: HUVENOB01
        / CLONE: 39043
      / SEQUENCE DESCRIPTION: SEQ ID NO: 1:
        / US-09-769-970-1
          / Query Match 100.0%; Score 49; DB 10; Length 685;
          / Best Local Similarity 100.0%; Pred. No. 2.9;
          / Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
        Qy  1 MLLGRPPFE 9
        Db  273 MLLGRPPFE 281

  RESULT 10
  US-10-260-708-69
  / Sequence 69, Application US/10260708
  / Publication No. US2004063101A1
  / GENERAL INFORMATION:
    / APPLICANT: Scanlan, Matthew
    / APPLICANT: Lee, Sang-Yull
    / APPLICANT: Old, Lloyd
    / TITLE OF INVENTION: Human Sarcoma-Associated Antigens
    / FILE REFERENCE: L00461/70138
    / CURRENT APPLICATION NUMBER: US/10/260,708
    / CURRENT FILING DATE: 2002-09-30
    / NUMBER OF SEQ ID NOS: 96
    / SOFTWARE: PatentIn version 3.1
    / SEQ ID NO 69
    / LENGTH: 685
    / TYPE: PRT
    / ORGANISM: homo sapiens
  / US-10-260-708-69
    / Query Match 100.0%; Score 49; DB 12; Length 685;
    / Best Local Similarity 100.0%; Pred. No. 2.9;
    / Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  Qy  1 MLLGRPPFE 9
  Db  273 MLLGRPPFE 281

  RESULT 11
  US-10-024-298A-101
  / Sequence 101, Application US/10024298A
  / Publication No. US20030143540A1
  / GENERAL INFORMATION:
    / APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
    / APPLICANT: Akio MATSUDA
    / APPLICANT: Goichi HONDA
    / APPLICANT: Shuji MURAMATSU
    / APPLICANT: Yukiko NAGANO
    / TITLE OF INVENTION: NF-K B Activating Gene
  / US-10-617-217A-101
    / Query Match 100.0%; Score 49; DB 14; Length 685;
    / Best Local Similarity 100.0%; Pred. No. 2.9;
    / Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  Qy  1 MLLGRPPFE 9
  Db  273 MLLGRPPFE 281

  RESULT 12
  US-10-042-211A-101
  / Sequence 101, Application US/10042211A
  / Publication No. US20030170719A1
  / GENERAL INFORMATION:
    / APPLICANT: MATSUDA, Akio et al.
    / TITLE OF INVENTION: NFKB Activating Gene
    / FILE REFERENCE: L0254-0192P
    / CURRENT APPLICATION NUMBER: US/10/042,211A
    / CURRENT FILING DATE: 2002-01-11
    / PRIOR APPLICATION NUMBER: JP 2000-402288
    / PRIOR FILING DATE: 2000-12-28
    / PRIOR APPLICATION NUMBER: JP 2001-088912
    / PRIOR FILING DATE: 2001-03-26
    / PRIOR APPLICATION NUMBER: JP 2001-254018
    / PRIOR FILING DATE: 2001-08-24
    / PRIOR APPLICATION NUMBER: US 60/258,315
    / PRIOR FILING DATE: 2000-12-28
    / PRIOR APPLICATION NUMBER: US 60/278,640
    / PRIOR FILING DATE: 2001-03-26
    / PRIOR APPLICATION NUMBER: US 60/314,385
    / PRIOR FILING DATE: 2001-08-24
    / NUMBER OF SEQ ID NOS: 182
    / SOFTWARE: PatentIn Ver. 2.0
    / SEQ ID NO 101
    / LENGTH: 685
    / TYPE: PRT
    / ORGANISM: Homo sapiens
  / US-10-042-211A-101
    / Query Match 100.0%; Score 49; DB 14; Length 685;
    / Best Local Similarity 100.0%; Pred. No. 2.9;
    / Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  Qy  1 MLLGRPPFE 9
  Db  273 MLLGRPPFE 281

  RESULT 13
  US-10-617-217A-101
    / Query Match 100.0%; Score 49; DB 14; Length 685;
    / Best Local Similarity 100.0%; Pred. No. 2.9;
    / Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  Qy  1 MLLGRPPFE 9
  Db  273 MLLGRPPFE 281

```

Sequence 101, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NF- κ B ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-617-217A-101

Query Match 100.0%; Score 49; DB 16; Length 685;
Best Local Similarity 100.0%; Pred. No. 2.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPE 9
Db 273 MLLGRPPE 281

RESULT 14
US-10-264-049-3124
; Sequence 3124, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/185569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 3124
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (33)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; US-10-264-049-3124

Query Match 100.0%; Score 49; DB 15; Length 753;
Best Local Similarity 100.0%; Pred. No. 3.2;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPE 9
Db 341 MLLGRPPE 349

RESULT 15
US-09-736-076-17
; Sequence 17, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242-1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) ... (0)
; OTHER INFORMATION: Position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0) ... (9)
; OTHER INFORMATION: J43.1
; US-09-736-076-17

Query Match 93.9%; Score 46; DB 9; Length 9;
Best Local Similarity 88.9%; Pred. No. 1e+06;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPE 9
Db 1 MLLGKPPF 9

RESULT 16
US-09-736-076-16
; Sequence 16, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242-1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) ... (0)
; NAME/KEY: AMIDATION
; LOCATION: (0) ... (8)
; OTHER INFORMATION: J43
; US-09-736-076-16

Query Match 83.7%; Score 41; DB 9; Length 8;
Best Local Similarity 87.5%; Pred. No. 1e+06;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPE 8
Db 1 MLLGKPPF 8

```

US-10-026-021-3
; Sequence 3, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; PRIORITY NUMBER: US 60/309, 632
; PRIORITY FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(379)
; OTHER INFORMATION: SAK serine/threonine kinase kinase domain
; US-10-026-021-3

Query Match 83.7%; Score 41; DB 14; Length 379;
Best Local Similarity 66.7%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGRPPFE 9
Db 204 LLIGRPPFD 212

RESULT 18
US-10-369-493-5956
; Sequence 5956, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10 (52052)B
; CURRENT APPLICATION NUMBER: US/10/369, 493
; CURRENT FILING DATE: 2003-02-28
; PRIORITY NUMBER: US 60/360, 039
; PRIORITY FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5956
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-10-369-493-5956

Query Match 83.7%; Score 41; DB 15; Length 521;
Best Local Similarity 66.7%; Pred. No. 56;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGRPPFE 9
Db 401 LMLGRPPFQ 409

RESULT 19
US-10-425-114-37528
; Sequence 37528, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Demo, Susan
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37528
; LENGTH: 928
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-112-B4_FLI.pep
; US-10-425-114-37528

Query Match 83.7%; Score 41; DB 12; Length 928;
Best Local Similarity 66.7%; Pred. No. 97;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGRPPFE 9
Db 162 LLIGRPPFD 170

RESULT 20
US-10-026-021-2
; Sequence 2, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; PRIORITY NUMBER: US 60/309, 632
; PRIORITY FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human SAK serine/threonine kinase
; US-10-026-021-2

Query Match 83.7%; Score 41; DB 14; Length 970;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGRPPFE 9
Db 204 LLIGRPPFD 212

RESULT 21
US-10-408-765A-1916
; Sequence 1916, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Demo, Susan
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; PRIORITY NUMBER: US 60/309, 632
; PRIORITY FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human SAK serine/threonine kinase
; US-10-408-765A-1916

```

; APPLICANT: Gibson, Bradford W.
 ; APPLICANT: Taylor, Steven W.
 ; APPLICANT: Glenn, Gary M.
 ; APPLICANT: Warnock, Dale E.
 ; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
 ; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 ; FILE REFERENCE: 660088.465
 ; CURRENT APPLICATION NUMBER: US/10/408,765A
 ; CURRENT FILING DATE: 2003-04-04
 ; NUMBER OF SEQ ID NOS: 3077
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 1916
 ; LENGTH: 970
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-408-765A-1916

Query Match 83.7%; Score 41; DB 16; Length 970;
 Best Local Similarity 66.7%; Pred. No. 1e+02;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 : : : : : : : : : :
 Db 204 LLIGRPPFD 212

RESULT 22
 US-09-736-076-18
 ; Sequence 18, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 18
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) . . . (0)
 ; OTHER INFORMATION: Position 7 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) . . . (9)
 ; OTHER INFORMATION: J45
 ; SEQ ID NO 18
 ; LENGTH: 9

Query Match 81.6%; Score 40; DB 9; Length 9;
 Best Local Similarity 100.0%; Pred. No. 1e+06;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LGRPPFE 9
 : : : : : : : : : :
 Db 1 LGRPPFE 7

RESULT 23
 US-09-736-076-6
 ; Sequence 6, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076

; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
; US-09-925-300-1268

Query Match 81.6%; Score 40; DB 9; Length 329;
Best Local Similarity 66.7%; Pred. No. 53;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 260 LLVGKPPFE 268

RESULT 25
US-10-026-021-6
; Sequence 6, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309, 632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1) : (367)
; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain
US-10-026-021-6

Query Match 81.6%; Score 40; DB 14; Length 367;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 244 LLVGKPPFE 252

RESULT 26
US-09-771-161A-123
; Sequence 123, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 123
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-214

; US-09-771-161A-123

Query Match 81.6%; Score 40; DB 9; Length 516;
Best Local Similarity 66.7%; Pred. No. 82;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 157 LLVGKPPFE 165

RESULT 27
US-10-032-585-7571
; Sequence 7571, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7571
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Candida albicans
US-10-032-585-7571

Query Match 81.6%; Score 40; DB 14; Length 528;
Best Local Similarity 66.7%; Pred. No. 84;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 454 LLVGKPPFE 462

RESULT 28
US-09-771-161A-214
; Sequence 214, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724,676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 214
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-771-161A-214

Query Match 81.6%; Score 40; DB 9; Length 603;
Best Local Similarity 66.7%; Pred. No. 96;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 244 LLVGKPPFE 252

RESULT 29

US-10-406-901-2
 Sequence 2, Application US/10406901
 ; Publication No. US20040033578A1
 ; GENERAL INFORMATION:
 / ; APPLICANT: Strebhardt, Klaus; Rubsamen-Waigmann, Helga;
 Holtrich, Uwe
 / ; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
 THREONINE-KINASE FAMILY
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 STREET: 660 White Plains Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-5144
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 OPERATING SYSTEM: DOS
 SOFTWARE: WordPerfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/406, 901
 FILING DATE: 03-Apr-2003
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/634, 443
 FILING DATE: 08-Aug-2000
 APPLICATION NUMBER: US/08/601, 014
 FILING DATE: 23-FEB-1996
 APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994
 APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141
 REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 603 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-406-901-2

Query Match 81.6%; Score 40; DB 12; Length 603;
 Best Local Similarity 66.7%; Pred. No. 96;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRRPFE 9
 Db 244 LLVGKPPFE 252

RESULT 30
 US-10-171-311-186
 Sequence 186, Application US/10171311
 ; Publication No. US20030087270A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schlegel, Robert
 ; APPLICANT: Chen, Yan
 ; APPLICANT: Zhao, Xumei
 ; APPLICANT: Monahan, John
 ; APPLICANT: Kamatkar, Shubhangi
 ; APPLICANT: Glatt, Karen
 ; APPLICANT: Gannavarapu, Manjula
 RESULT 32
 US-10-408-765A-2279

APPLICANT: Hoersh, Sebastian
 TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER
 FILE REFERENCE: MRI-035
 CURRENT APPLICATION NUMBER: US/10/171, 311
 CURRENT FILING DATE: 2002-06-12
 PRIOR APPLICATION NUMBER: US 60/298, 159
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/298, 155
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/335, 936
 PRIOR FILING DATE: 2001-11-14
 NUMBER OF SEQ ID NOS: 238
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 186
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-171-311-186

Query Match 81.6%; Score 40; DB 14; Length 603;
 Best Local Similarity 66.7%; Pred. No. 96;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRRPFE 9
 Db 244 LLVGKPPFE 252

RESULT 31
 US-10-188-832-110
 Sequence 110, Application US/10188832
 ; Publication No. US20040076955A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mack, David H.
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Eos Biotechnology, Inc.
 ; TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder Cancer
 ; TITLE OF INVENTION: Cancer
 FILE REFERENCE: 018501-002330US
 CURRENT APPLICATION NUMBER: US/10/188, 832
 CURRENT FILING DATE: 2002-11-22
 PRIOR APPLICATION NUMBER: US 60/302, 814
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: US 60/310, 099
 PRIOR FILING DATE: 2001-08-03
 PRIOR APPLICATION NUMBER: US 60/343, 705
 PRIOR FILING DATE: 2001-11-08
 PRIOR APPLICATION NUMBER: US 60/350, 666
 PRIOR FILING DATE: 2002-04-12
 PRIOR APPLICATION NUMBER: US 60/372, 246
 NUMBER OF SEQ ID NOS: 207
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 110
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-188-832-110

Query Match 81.6%; Score 40; DB 16; Length 603;
 Best Local Similarity 66.7%; Pred. No. 96;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRRPFE 9
 Db 244 LLVGKPPFE 252

Sequence 2279, Application US/10408765A
 Publication No. US20040101874A1
 GENERAL INFORMATION:
 APPLICANT: Ghosh, Soumitra S.
 APPLICANT: Fahy, Eoin D.
 APPLICANT: Zhang, Bing
 APPLICANT: Gibson, Bradford W.
 APPLICANT: Taylor, Steven W.
 APPLICANT: Glenn, Gary M.
 APPLICANT: Warnock, Dale E.
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 FILE REFERENCE: 660088.465
 CURRENT APPLICATION NUMBER: US/10/408,765A
 NUMBER OF SEQ ID NOS: 3077
 CURRENT FILING DATE: 2003-04-04
 SEQ ID NO: 2279
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 S-10-408-765A-2279

Query Match 81.6%; Score 40; DB 16; Length 603;
 Best Local Similarity 66.7%; Pred. No. 96;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Y 1 MLLGRPPFE 9
 b 244 LLVGKPPFE 252

RESULT 33
 Sequence 37525, Application US/10425114
 Publication No. US2004003488BA1
 GENERAL INFORMATION:
 APPLICANT: Liu, Jingdong
 APPLICANT: Zhou, Yihua
 APPLICANT: Kovacic, David K.
 APPLICANT: Screen, Steven E
 APPLICANT: Tabaska, Jack E
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21 (53313) B
 CURRENT APPLICATION NUMBER: US/10/425,114
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 73128
 SEQ ID NO 37525
 LENGTH: 629
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
 S-10-425-114-37525

Query Match 81.6%; Score 40; DB 12; Length 629;
 Best Local Similarity 66.7%; Pred. No. 1e+02;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Y 1 MLLGRPPFE 9
 b 270 LLVGKPPFE 278

RESULT 34
 Sequence 12, Application US/10153919
 Publication No. US20030166219A1
 GENERAL INFORMATION:
 APPLICANT: YAN, Chunhua et al.
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES OF INVENTION: THEREOF
 FILE REFERENCE: CL000653DIV
 CURRENT APPLICATION NUMBER: US/10/153,919
 CURRENT FILING DATE: 2002-05-24
 PRIOR APPLICATION NUMBER: 60/209,585
 PRIOR FILING DATE: 2000-06-06
 PRIOR APPLICATION NUMBER: 09/739,455
 PRIOR FILING DATE: 2000-12-19
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 12
 LENGTH: 303
 TYPE: PRT
 ORGANISM: Leishmania mexicana
 US-10-153-919-12

Query Match 79.6%; Score 39; DB 14; Length 303;
 Best Local Similarity 88.9%; Pred. No. 73;
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 207 MLLGRPLFE 215

RESULT 35
 Sequence 22, Application US/10153919
 Publication No. US20030166219A1
 GENERAL INFORMATION:
 APPLICANT: YAN, Chunhua et al.
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES OF INVENTION: THEREOF
 FILE REFERENCE: CL000653DIV
 CURRENT APPLICATION NUMBER: US/10/153,919
 CURRENT FILING DATE: 2002-05-24
 PRIOR APPLICATION NUMBER: 60/209,585
 PRIOR FILING DATE: 2000-06-06
 PRIOR APPLICATION NUMBER: 09/739,455
 PRIOR FILING DATE: 2000-12-19
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 22
 LENGTH: 303
 TYPE: PRT
 ORGANISM: Leishmania mexicana
 US-10-153-919-22

Query Match 79.6%; Score 39; DB 14; Length 303;
 Best Local Similarity 88.9%; Pred. No. 73;
 Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 207 MLLGRPLFE 215

RESULT 36
 Sequence 58, Application US/09736076
 Patent No. US20020049301A1
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 FILE REFERENCE: 1242-1015-009
 CURRENT APPLICATION NUMBER: US/09/736,076
 CURRENT FILING DATE: 2000-12-13
 PRIOR APPLICATION NUMBER: US 08/861,338
 PRIOR FILING DATE: 1997-05-21
 NUMBER OF SEQ ID NOS: 68

```

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MYRISTATE
; LOCATION: (1) .(0)
; NAME/KEY: AMIDATION
; LOCATION: (0) .(8)
; OTHER INFORMATION: SNK
; US-09-736-076-58

Query Match 77.6%; Score 38; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 38
US-10-369-493-5056
; Sequence 5056, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10 (52052) B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5056
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-10-369-493-5056

Qy 1 MLLGRPP 7
Db 2 MLLGRPP 8

RESULT 37
US-09-898-837A-32
; Sequence 32, Application US/09898837A
; Publication No. US20030077697A1
; GENERAL INFORMATION:
; APPLICANT: Quinn, Kerry E.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Majumder, Kumud
; APPLICANT: Vernet, Corine
; APPLICANT: Herrmann, John L.
; APPLICANT: Burgess, Catherine
; APPLICANT: Fernandes, Elma
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Rastelli, Luca
; APPLICANT: CuraGen Corporation
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: MacDougall, John R.

Query Match 77.6%; Score 38; DB 15; Length 329;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGRRPFE 9
Db 244 LVGKPPFE 251

RESULT 39
US-09-012-135A-3
; Sequence 3, Application US/09012135A
; Patent No. US20020081578A1
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1 AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/012,135A
; FILING DATE: January 22, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/005,268
; FILING DATE: January 9, 1998
; APPLICATION NUMBER: 08/755,728
; FILING DATE: NO. US20020081578A1ember 25, 1996
; APPLICATION NUMBER: 60/023,943
; ORGANISM: Saccharomyces cerevisiae
; US-09-898-837A-32

Query Match 77.6%; Score 38; DB 10; Length 256;
Best Local Similarity 55.6%; Pred. No. 93;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
SEQ ID NO 32
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; US-09-898-837A-32

```

FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEX: 67-3510
 FAX: (213) 955-0440
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-012-135A-3

Query Match 77.6%; Score 38; DB 9; Length 344;
 Best Local Similarity 66.7%; Pred. No. 1.2e+02;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MLLGRPPFE 9
 DB 266 LLVGNPPFE 274

RESULT 40
 US-10-060-065-13
 Sequence 13, Application US/10060065
 Publication No. US20030017480A1
 GENERAL INFORMATION:
 APPLICANT: Toshio Ota
 APPLICANT: Takao Isogai
 APPLICANT: Tetsuo Nishikawa
 APPLICANT: Koji Hayashi
 APPLICANT: Kaoru Otsuka
 APPLICANT: Jun-Ichi Yamamoto
 APPLICANT: Shizuko Ishii
 APPLICANT: Tomoyasu Sugiyama
 APPLICANT: Ai Wakamatsu
 APPLICANT: Keiichi Nagai
 APPLICANT: Tetsuji Otsuki
 APPLICANT: Shin-Ichi Funahashi
 APPLICANT: Chiaki Senoo
 APPLICANT: Jun-Ichi Nezu
 TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
 FILE REFERENCE: 06501-099002
 CURRENT APPLICATION NUMBER: US/10/060,065
 CURRENT FILING DATE: 2002-01-29
 PRIOR APPLICATION NUMBER: PCT/JP00/05061
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/159,590
 PRIOR FILING DATE: 1999-10-18
 PRIOR APPLICATION NUMBER: US 60/183,322
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: JP 11-248036
 PRIOR FILING DATE: 2000-05-29
 PRIOR APPLICATION NUMBER: JP 2000-118776
 PRIOR FILING DATE: 2000-02-17
 PRIOR APPLICATION NUMBER: JP 2000-183767
 PRIOR FILING DATE: 2000-05-02
 PRIOR APPLICATION NUMBER: JP 2000-241899
 PRIOR FILING DATE: 2000-06-09
 NUMBER OF SEQ ID NOS: 43
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 13
 LENGTH: 344
 TYPE: PRT

ORGANISM: Homo sapiens
 US-10-060-065-13

Query Match 77.6%; Score 38; DB 12; Length 344;
 Best Local Similarity 66.7%; Pred. No. 1.2e+02;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MLLGRPPFE 9
 DB 266 LLVGNPPFE 274

Search completed: June 9, 2004, 11:22:05
 Job time : 37.1957 secs

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 9, 2004, 10:56:30 ; Search time 10.9565 Seconds
 (without alignments)
 37.695 Million cell updates/sec

Title: US-09-736-076-16
 Perfect score: 44

Sequence: 1 MLLGKPPF 8

Scoring table: BLOSUM62
 Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database :

Issued Patents AA:
 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:
 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:
 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:
 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:
 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:
 6: /cgn2_6/ptodata/2/iaa/backfile1.pep:
 *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	44	100.0	8	3	US-08-861-338-16	Sequence 16, Appl
2	44	100.0	9	3	US-08-861-338-17	Sequence 17, Appl
3	41	93.2	9	3	US-08-861-338-15	Sequence 15, Appl
4	41	93.2	11	3	US-08-861-338-19	Sequence 19, Appl
5	41	93.2	272	1	US-08-252-995D-12	Sequence 12, Appl
6	41	93.2	272	2	US-08-834-108-12	Sequence 12, Appl
7	41	93.2	685	2	US-08-878-989-1	Sequence 1, Appl
8	41	93.2	685	3	US-09-136-282-2	Sequence 2, Appl
9	41	93.2	685	3	US-09-272-796-1	Sequence 1, Appl
10	41	93.2	685	3	US-09-505-744-2	Sequence 2, Appl
11	39	88.6	275	1	US-08-252-995D-13	Sequence 13, Appl
12	39	88.6	275	2	US-08-834-108-13	Sequence 13, Appl
13	38	86.4	20	3	US-08-861-338-6	Sequence 6, Appl
14	38	86.4	272	1	US-08-252-995D-14	Sequence 14, Appl
15	38	86.4	272	2	US-08-834-108-14	Sequence 14, Appl
16	38	86.4	603	3	US-09-198-122-2	Sequence 2, Appl
17	38	86.4	603	4	US-09-311-311C-26	Sequence 26, Appl
18	37	84.1	264	2	US-07-857-224B-17	Sequence 17, Appl
19	37	84.1	499	4	US-09-509-902A-12	Sequence 12, Appl
20	37	84.1	588	4	US-09-509-902A-16	Sequence 16, Appl
21	37	84.1	668	4	US-09-134-001C-4816	Sequence 4816, Appl
22	37	84.1	962	4	US-09-442-100-6	Sequence 6, Appl
23	37	84.1	962	4	US-08-939-106-6	Sequence 6, Appl
24	37	84.1	962	4	US-09-442-102-6	Sequence 6, Appl
25	37	84.1	980	4	US-08-442-100-8	Sequence 8, Appl
26	37	84.1	980	4	US-08-939-106-8	Sequence 8, Appl
27	37	84.1	980	4	US-09-442-102-8	Sequence 8, Appl

28	37	84.1	1088	4	US-09-233-857-4	Sequence 4, Appl
29	37	84.1	1088	4	US-09-233-857-13	Sequence 13, Appl
30	37	84.1	1099	4	US-09-442-100-2	Sequence 2, Appl
31	37	84.1	1099	4	US-08-939-106-2	Sequence 2, Appl
32	37	84.1	1099	4	US-09-442-102-2	Sequence 2, Appl
33	37	84.1	1130	4	US-09-442-100-4	Sequence 4, Appl
34	37	84.1	1130	4	US-09-233-857-3	Sequence 3, Appl
35	37	84.1	1130	4	US-08-939-106-4	Sequence 4, Appl
36	37	84.1	1130	4	US-09-442-102-4	Sequence 4, Appl
37	36	81.8	273	2	US-08-834-108-10	Sequence 10, Appl
38	36	81.8	403	2	US-08-755-728-4	Sequence 4, Appl
39	36	81.8	403	2	US-08-974-655-4	Sequence 4, Appl
40	36	81.8	403	2	US-09-283-011-4	Sequence 4, Appl
41	36	81.8	403	3	US-08-252-995D-2	Sequence 4, Appl
42	36	81.8	416	2	US-08-834-108-2	Sequence 2, Appl
43	36	81.8	416	2	US-08-252-995D-6	Sequence 6, Appl
44	36	81.8	464	1	US-08-834-108-6	Sequence 6, Appl
45	36	81.8	464	2	US-08-834-108-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
 US-08-861-338-16
 ; Sequence 16, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/861,338
 ; FILING DATE: 21-MAY-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brook, David E.
 ; REGISTRATION NUMBER: 22,592
 ; REFERENCE/DOCKET NUMBER: CMCC-590
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (781) 861-6240
 ; TELEFAX: (781) 861-9540
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 8 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: not relevant
 ; MOLECULE TYPE: peptide
 ; FEATURE:
 ; NAME/KEY: Modified-site
 ; LOCATION: 1
 ; OTHER INFORMATION: /note= "N-Acetyl Methionine"
 ; NAME/KEY: Modified-site
 ; LOCATION: 8
 ; OTHER INFORMATION: /note= "Phenylalanine-NH2"
 ; US-08-861-338-16
 ; Query Match 100.0%; Score 44; DB 3; Length 8;

Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
Db 1 MLLGKPPF 8

RESULT 2
US-08-861-338-17
; Sequence 17, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "N-Acetyl Methionine"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 9
; OTHER INFORMATION: /note= "Gamma Benzyl Ester of
; Glutamic Acid-NH2"
; US-08-861-338-15

Query Match 93.2%; Score 41; DB 3;
Best Local Similarity 87.5%; Pred. No. 3e+05;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

RESULT 3
US-08-861-338-15
; Sequence 15, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.

Query Match 100.0%; Score 44; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; US-08-861-338-17

Query Match 100.0%; Score 44; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; US-08-861-338-15
QY 1 MLLGKPPF 8
Db 1 MLLGKPPF 8

RESULT 4
US-08-861-338-19
; Sequence 19, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 11 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: peptide
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 11
 OTHER INFORMATION: /note= "Serine-NH2"
 US-08-861-338-19

Query Match 93.2%; Score 41; DB 3; Length 11;
 Best Local Similarity 87.5%; Pred. No. 0.14;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 MLLGRPPF 8

RESULT 5
 US-08-252-995D-12
 ; Sequence 12, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: MSH 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 12:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 272 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Mus musculus
 ; US-08-834-108-12

Query Match 93.2%; Score 41; DB 2; Length 272;
 Best Local Similarity 87.5%; Pred. No. 3.4;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 MLLGRPPF 206

RESULT 7
US-08-878-989-1
Sequence 1, Application US/08878989
Patent No. 5885803
GENERAL INFORMATION:
APPLICANT: Bandman, Jennifer L.
APPLICANT: Hillman, Olga
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl G.
APPLICANT: Lal, Preeti
APPLICANT: Goli, Surya K.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
TITLE OF INVENTION: KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/878,989
FILING DATE:
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/878,989
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0321 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 685 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: HUVENOB01
CLONE: 3.9043
US-08-878-989-1

Query Match 93.2%; Score 41; DB 2; Length 685;
Best Local Similarity 87.5%; Pred. No. 8.4;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 273 MLLGRPPF 280

RESULT 8
US-09-136-282-2
Sequence 2, Application US/09136282
Patent No. 6063609
GENERAL INFORMATION:
APPLICANT: ANDERSON, KAREN
APPLICANT: JACKSON, JEFFREY
APPLICANT: HANSBURY, MICHAEL
APPLICANT: NEURKAR, SANDHYA

APPLICANT: ROSHAK, AMY
APPLICANT: BOUZYK, MARK
TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
STREET: P.O. Box 980
CITY: Valley Forge
STATE: PA
COUNTRY: USA
ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/136,282
FILING DATE: 20-AUG-1998
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/056,112
FILING DATE: 20-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: Prestia, Paul F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GH-70231
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0700
TELEX: 846169
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 685 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-136-282-2

Qy 1 MLLGKPPF 8
Db 273 MLLGRPPF 280

RESULT 9
US-09-272-796-1
Sequence 1, Application US/09272796
Patent No. 6207148
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl G.
APPLICANT: Lal, Preeti
APPLICANT: Goli, Surya K.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/272,796
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/878,989
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HUVENOB01
 CLONE: 39043
 US-09-272-796-1

Query Match 93.2%; Score 41; DB 3; Length 685;
 Best Local Similarity 87.5%; Pred. No. 8.4;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 10
 US-09-505-744-2
 Sequence 2, Application US/09505744
 Patent No. 6245544
 GENERAL INFORMATION:
 APPLICANT: Karen M. Anderson
 APPLICANT: Mark M. Bouzyk
 APPLICANT: Michael J. Hansbury
 APPLICANT: Jeffrey R. Jackson
 APPLICANT: Sandhya S. Nerurkar
 APPLICANT: Amy K. Roshak
 TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
 FILE REFERENCE: GH-70231-D1
 CURRENT APPLICATION NUMBER: US/09/505,744
 CURRENT FILING DATE: 2000-02-16
 EARLIER APPLICATION NUMBER: 09/136,282
 EARLIER FILING DATE: 1998-08-20
 EARLIER APPLICATION NUMBER: 60/056,112
 EARLIER FILING DATE: 1997-08-20
 NUMBER OF SEQ ID NOS: 3
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 685
 TYPE: PRT
 ORGANISM: HOMO SAPIENS
 US-09-505-744-2

Query Match 93.2%; Score 41; DB 3; Length 685;
 Best Local Similarity 87.5%; Pred. No. 8.4;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 11
 US-08-252-995D-13
 Sequence 13, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

RESULT 12
 US-08-834-108-13
 Sequence 13, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE: 08-08-2003
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 275 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: *Saccharomyces cerevisiae*
 US-08-834-108-13

Query Match 88.6%; Score 39; DB 2; Length 275;
 Best Local Similarity 75.0%; Pred. No. 8;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPF 8
 Db 200 LLIGKPPF 207

RESULT 13
 US-08-861-338-6
 Sequence 6, Application US/08861338
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 TITLE OF INVENTION: 3153-96
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide

US-08-861-338-6
 Query Match 86.4%; Score 38; DB 3; Length 20;
 Best Local Similarity 75.0%; Pred. No. 0.9;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 3 LLVGKPPF 10

RESULT 14
 US-08-252-995D-14
 Sequence 14, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: *Mus musculus*
 US-08-252-995D-14

Query Match 86.4%; Score 38; DB 1; Length 272;
 Best Local Similarity 75.0%; Pred. No. 12;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 199 LLVGKPPF 206

RESULT 15
 US-08-834-108-14
 Sequence 14, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398

INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids

TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

ORIGINAL SOURCE:
 ORGANISM: Mus musculus

US-08-834-108-14

Query Match 86.4%; Score 38; DB 2; Length 272;
 Best Local Similarity 75.0%; Pred. No. 12;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPF 8
 Db 199 LLVGKPPF 206

RESULT 16
 US-09-198-1122-2
 Sequence 2, Application US/09198122
 Patent No. 6180380

GENERAL INFORMATION:
 APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;
 APPLICANT: Holtrich, Uwe
 TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 STREET: 660 White Plains Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-5144

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 COMPUTER: NEC Powermate SX-20
 OPERATING SYSTEM: DOS
 SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/198,122
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/601,014

FILING DATE: 23-FEB-1996
 APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141
 REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX:
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 603 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-09-198-122-2

Query Match 86.4%; Score 38; DB 3; Length 603;
 Best Local Similarity 75.0%; Pred. No. 27;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPF 8
 Db 244 LLVGKPPF 251

RESULT 17
 US-09-311-311C-26
 Sequence 26, Application US/09311311C
 Patent No. 6358738

GENERAL INFORMATION:
 APPLICANT: Erikson, et al.
 TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
 METHODS, AND USES THEREFOR
 FILE REFERENCE: 1874/117
 CURRENT APPLICATION NUMBER: US/09/311,311C
 CURRENT FILING DATE: 1999-05-13
 PRIOR APPLICATION NUMBER: US 60/085,296
 PRIOR FILING DATE: 1998-05-13
 NUMBER OF SEQ ID NOS: 27
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 26
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Mus musculus
 FEATURE:
 NAME/KEY: DOMAIN
 LOCATION: (1) ... (603)
 OTHER INFORMATION: Plk protein
 US-09-311-311C-26

Query Match 86.4%; Score 38; DB 4; Length 603;
 Best Local Similarity 75.0%; Pred. No. 27;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPF 8
 Db 244 LLVGKPPF 251

RESULT 18
 US-07-857-224B-17
 Sequence 17, Application US/07857224B
 Patent No. 5958784

GENERAL INFORMATION:
 APPLICANT: Benner, Steven A.
 TITLE OF INVENTION: Predicting Folded Structures of Proteins
 NUMBER OF SEQUENCES: 114

1 CORRESPONDENCE ADDRESS:
 1 ADDRESSEE: Steven A. Benner
 1 STREET: Hadlaubstrasse 151
 1 CITY: Zurich
 1 STATE: none
 1 COUNTRY: Switzerland
 1 ZIP: (note: this is an international post code) CH-8092
 1 COMPUTER READABLE FORM:
 1 MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
 1 COMPUTER: Apple Macintosh
 1 OPERATING SYSTEM: Macintosh 7.0
 1 SOFTWARE: Microsoft Word
 1 CURRENT APPLICATION DATA:
 1 APPLICATION NUMBER: US-07/857,224B
 1 FILING DATE: 03/25/92
 1 CLASSIFICATION: 436
 1 PRIOR APPLICATION DATA: none
 1 TELECOMMUNICATION INFORMATION:
 1 TELEPHONE: (International) 41 1 632 2830
 1 TELEFAX: (International) 41 1 262 2437
 1 TELEX: none
 1 INFORMATION FOR SEQ ID NO: 17:
 1 SEQUENCE CHARACTERISTICS:
 1 LENGTH: 264
 1 TYPE: amino acid
 1 TOPOLOGY: linear
 1 MOLECULE TYPE: protein
 1 DESCRIPTION: protein
 1 ORIGINAL SOURCE:
 1 ORGANISM: Drosophila melanogaster
 1 FEATURE: Protein kinase; Table 8 Column 18
 1 PUBLICATION INFORMATION:
 1 AUTHORS:
 1 Hanks, S. K.
 1 Quinn, A. M.
 1 AUTHORS: Hunter, T.
 1 TITLE: The protein kinase family
 1 JOURNAL: Science
 1 VOLUME: 241
 1 PAGES: 42-52
 1 DATE: 1988
 1 US-07-857-224B-17

Query Match 84.1%; Score 37; DB 4; Length 499;
 Best Local Similarity 75.0%; Pred. No. 34;
 Matches 6; Conservative 0; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 407 MLVGQPPF 414

RESULT 20
 US-09-509-902A-16
 ; Sequence 16, Application US/09509902A
 ; Patent No. 6387676
 ; GENERAL INFORMATION:
 ; APPLICANT: Virca, Duke
 ; APPLICANT: Bird, Timothy A.
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Marken, John S.
 ; TITLE OF INVENTION: Human cDNAs Encoding Polypeptides Having Kinase Functions
 ; FILE REFERENCE: 2877-US
 ; CURRENT APPLICATION NUMBER: US/09/509,902A
 ; CURRENT FILING DATE: 1999-08-03
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 16
 ; LENGTH: 588
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-509-902A-16

Query Match 84.1%; Score 37; DB 4; Length 588;
 Best Local Similarity 75.0%; Pred. No. 40;
 Matches 6; Conservative 2; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 406 MLVGQPPF 413

RESULT 21
 US-09-134-001C-4816
 ; Sequence 4816, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055,779
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 4816
 ; LENGTH: 668
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-4816

Query Match 84.1%; Score 37; DB 2; Length 264;
 Best Local Similarity 75.0%; Pred. No. 18;
 Matches 6; Conservative 2; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 195 MLVGQPPF 202

RESULT 19
 US-09-509-902A-12
 ; Sequence 12, Application US/09509902A
 ; Patent No. 6387676
 ; GENERAL INFORMATION:
 ; APPLICANT: Virca, Duke
 ; APPLICANT: Bird, Timothy A.
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Marken, John S.
 ; TITLE OF INVENTION: Human cDNAs Encoding Polypeptides Having Kinase Functions
 ; FILE REFERENCE: 2877-US
 ; CURRENT APPLICATION NUMBER: US/09/509,902A
 ; CURRENT FILING DATE: 1999-08-03
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 12
 ; LENGTH: 499
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-509-902A-12

RESULT 22
 US-09-442-100-6
 ; Sequence 6, Application US/09442100

```

; Patent No. 6359193
; GENERAL INFORMATION:
; APPLICANT: Xu, Tian
; APPLICANT: Tao, Wufan
; APPLICANT: Wang, Weiyi
; APPLICANT: Zhang, Sheng
; APPLICANT: Yu, Wan
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATs
; TITLE OF INVENTION: GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/442,100
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,111
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6523-003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 962 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-09-442-100-6

Query Match          84.1%; Score 37; DB 4; Length 962;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 2; Mismatches 0; Indels 0;

2Y      1 MLLGKPPF 8
       || :| :| :| :|
0b      775 MLVGQPPF 782

; RESULT 23
; US-08-939-106-6
; Sequence 6, Application US/08939106
; Patent NO. 6559285
; GENERAL INFORMATION:
; APPLICANT: Yale University
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LATs
; GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,106
FILING DATE: 26-NO-6559285-1997
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-007-228
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 962 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-08-939-106-6

Query Match 84.1%; Score 37; DB 4; Length 96
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 2; Mismatches 0; Indels

2Y 1 MLLGKPPF 8
|:|:|||
775 MLVGQPPF 782

RESULT 24
US-09-442-102-6
Sequence 6, Application US/09442102
Patent No. 6630613
GENERAL INFORMATION:
APPLICANT: Xu, Tian
APPLICANT: Tao, Wufan
APPLICANT: Wang, Weiyi
APPLICANT: Zhang, Sheng
APPLICANT: Yu, Wan
TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
TITLE OF INVENTION: GENES AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/442,102
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/411,111
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION SEQ ID NO: 6

RESULT 26
 US-08-939-106-8
 ; Sequence 8, Application US/08939106
 ; Patent No. 6559285
 GENERAL INFORMATION:
 APPLICANT: Yale University
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 GENES AND METHODS BASED THEREON
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/939,106
 FILING DATE: 26-No. 6559285-1997
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-007-228
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 980 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 US-08-939-106-8

Query Match 84.1%; Score 37; DB 4; Length 980;
 Best Local Similarity 75.0%; Pred. No. 67;
 Matches 2; Mismatches 0; Indels 0; Gaps 0;
 Gaps 0;

Qy 1 MLLGKPPF 8
 Db 775 MLVGQPPF 782

RESULT 25
 US-09-442-100-B
 ; Sequence 8, Application US/09442100
 ; Patent No. 6359193
 GENERAL INFORMATION:
 APPLICANT: Xu, Tian
 APPLICANT: Tao, Wufan
 APPLICANT: Wang, Weiyi
 APPLICANT: Zhang, Sheng
 APPLICANT: Yu, Wan
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 GENES AND METHODS BASED THEREON
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/442,100
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 980 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 US-08-939-106-8

Query Match 84.1%; Score 37; DB 4; Length 980;
 Best Local Similarity 75.0%; Pred. No. 67;
 Matches 2; Mismatches 0; Indels 0; Gaps 0;
 Gaps 0;

Qy 1 MLLGKPPF 8
 Db 802 MLVGQPPF 809

RESULT 27
 US-09-442-102-B
 ; Sequence 8, Application US/09442102
 ; Patent No. 6630613
 GENERAL INFORMATION:
 APPLICANT: Xu, Tian
 APPLICANT: Tao, wufan
 APPLICANT: Wang, Weiyi
 APPLICANT: Zhang, Sheng
 APPLICANT: Yu, Wan
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 GENES AND METHODS BASED THEREON
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/442,102
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/411,111
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 980 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-09-442-102-8

Query Match 84.1%; Score 37; DB 4; Length 1088;
 Best Local Similarity 75.0%; Pred. No. 74;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 802 MLVGQPPF 809

RESULT 28

US-09-233-857-4
 Sequence 4, Application US/092333857
 Patent No. 6495353
 GENERAL INFORMATION:
 APPLICANT: Flanagan, Peter
 TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
 FILE REFERENCE: 2.39/251
 CURRENT APPLICATION NUMBER: US/09/233,857
 CURRENT FILING DATE: 1999-01-20
 EARLIER APPLICATION NUMBER: USSN 60/072,023
 EARLIER FILING DATE: 1998-01-21
 NUMBER OF SEQ ID NOS: 18
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 4
 LENGTH: 1088
 TYPE: PRT
 ORGANISM: HUMAN
 US-09-233-857-4

Query Match 84.1%; Score 37; DB 4; Length 1088;
 Best Local Similarity 75.0%; Pred. No. 74;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 906 MLVGQPPF 913

RESULT 29

US-09-233-857-13
 Sequence 13, Application US/092333857
 Patent No. 6495353
 GENERAL INFORMATION:
 APPLICANT: Flanagan, Peter
 TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
 ;

FILE REFERENCE: 239/251
 CURRENT APPLICATION NUMBER: US/09/233,857
 CURRENT FILING DATE: 1999-01-20
 EARLIER APPLICATION NUMBER: USSN 60/072,023
 EARLIER FILING DATE: 1998-01-21
 NUMBER OF SEQ ID NOS: 18
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 13
 LENGTH: 1088
 TYPE: PRT
 ORGANISM: HUMAN
 US-09-233-857-13
 Query Match 84.1%; Score 37; DB 4; Length 1088;
 Best Local Similarity 75.0%; Pred. No. 74;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 951 MLVGQPPF 958
 RESULT 30
 US-09-442-100-2
 Sequence 2, Application US/09442100
 Patent No. 63559193
 GENERAL INFORMATION:
 APPLICANT: Xu, Tian
 APPLICANT: Tao, Wufan
 APPLICANT: Wang, Weiyi
 APPLICANT: Zhang, Sheng
 APPLICANT: Yu, Wan
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 TITLE OF INVENTION: GENES AND METHODS BASED THEREON
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/442,100
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/411,111
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1099 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-09-442-100-2
 Query Match 84.1%; Score 37; DB 4; Length 1099;
 Best Local Similarity 75.0%; Pred. No. 75;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

RESULT 31
 US-08-939-106-2
 Sequence 2, Application US/08939106
 Patent No. 6559285
 GENERAL INFORMATION:
 APPLICANT: Yale University
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 NUMBER OF SEQUENCES: 16
 GENES AND METHODS BASED THEREON
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/442,102
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/411,111
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1099 amino acids
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-08-939-106-2
 Query Match 84.1%; Score 37; DB 4; Length 1099;
 Best Local Similarity 75.0%; Pred. No. 75;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 MOLECULE TYPE: protein
 TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/442,100
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/411,111
 FILING DATE:

ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1130 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-09-442-100-4

Query Match 84.1%; Score 37; DB 4; Length 1130;
 Best Local Similarity 75.0%; Pred. No. 77;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 943 MLVGQPPP 950

RESULT 34
 US-09-233-857-3
 ; Sequence 3 , Application US/092333857
 ; Patent No. 6495353
 ; GENERAL INFORMATION:
 ; APPLICANT: Flanagan, Peter
 ; TITLE OF INVENTION: HUMAN ORTHOLOGUES OF WART
 ; FILE REFERENCE: 239/251
 ; CURRENT FILING DATE: 1999-01-20
 ; EARLIER APPLICATION NUMBER: USSN 60/072,023
 ; EARLIER FILING DATE: 1998-01-21
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 3
 ; LENGTH: 1130
 ; TYPE: PRT
 ; ORGANISM: HUMAN
 US-09-233-857-3

Query Match 84.1%; Score 37; DB 4; Length 1130;
 Best Local Similarity 75.0%; Pred. No. 77;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 943 MLVGQPPP 950

RESULT 35
 US-08-939-106-4
 ; Sequence 4 , Application US/08939106
 ; Patent No. 6559285
 ; GENERAL INFORMATION:
 ; APPLICANT: Yale University
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/939,106
 FILING DATE: 26-No. 6559285-1997
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 6523-007-228
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1130 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-08-939-106-4

Query Match 84.1%; Score 37; DB 4; Length 1130;
 Best Local Similarity 75.0%; Pred. No. 77;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 943 MLVGQPPP 950

RESULT 36
 US-09-442-102-4
 ; Sequence 4 , Application US/09442102
 ; Patent No. 6630613
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Tian
 ; APPLICANT: Tao, Wufan
 ; APPLICANT: Wang, Weiyi
 ; APPLICANT: Zhang, Sheng
 ; APPLICANT: Yu, Wan
 ; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF LAT5
 ; NUMBER OF SEQUENCES: 16
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/442,102
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/411,111
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Misrock, S. Leslie
 ; REGISTRATION NUMBER: 18,872
 ; REFERENCE/DOCKET NUMBER: 6523-003
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEX: (212) 869-9741/8864
 ; TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
LENGTH: 1130 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein

US-09-442-102-4

Query Match 84.1%; Score 37; DB 4; Length 1130;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 943 MLVGQPPP 950

RESULT 37
US-08-252-995D-10
Sequence 10, Application US/08252995D
Patent No. 5650501

GENERAL INFORMATION:
APPLICANT: Dennis, James W
APPLICANT: Heffernan, Mike
APPLICANT: Fode, Carol
TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
ADDRESSEE: BERESKIN & PARR
STREET: 40 King Street West
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5H 3Y2

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/834,108

FILING DATE:
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Kurdydyk, Linda M
REGISTRATION NUMBER: 34,971
REFERENCE/DOCKET NUMBER: 3153-210

TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 273 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Homo sapiens

US-08-834-108-10

Query Match 81.8%; Score 36; DB 2; Length 273;
Best Local Similarity 62.5%; Pred. No. 29;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 200 LLIGRPPF 207

RESULT 39
US-08-755-728-4
Sequence 4, Application US/08755728

GENERAL INFORMATION:
Patent No. 5962312

APPLICANT: Plowman, Gregory
APPLICANT: Mossie, Kevin
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0

Query Match 81.8%; Score 36; DB 1; Length 273;
Best Local Similarity 62.5%; Pred. No. 29;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 200 LLIGRPPF 207

RESULT 38
US-08-834-108-10
Sequence 10, Application US/08834108

```

; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,728
; FILING DATE: No. 5962312ember 25, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; REFERENCE/DOCKET NUMBER: 223/113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-755-728-4

Query Match 81.8%; Score 36; DB 2; Length 403;
Best Local Similarity 85.7%; Pred. No. 42;
Matches 6; Conservative 1; Missmatches 0;
Indels 0; Gaps 0;

Qy 2 LLGKPPF 8
:||||| 323 LvGKPPF 329
Db

Search completed: June 9, 2004, 11:03:06
Job time : 10.9565 secs

; RESULT 40
; Sequence 4, Application US/08974655
; Patent No. 5972676
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2006
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,655
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/755,728
; FILING DATE: No. 5972676ember 25, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; APPLICATION NUMBER: 60/023,943
; FILING DATE: August 14, 1996

```

This Page Blank (uspto)

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 32.1739 Seconds
 (without alignments)
 69.954 Million cell updates/sec

Title: US-09-736-076-16

Perfect score: 44

Sequence: 1 MLLGKPPF 8

Scoring table: BLOSUM62

Gapext 0.5

Searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/us07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/us06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/us06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/us07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/us08_NEW_PUB.pep:*

8: /cgn2_6/ptodata/1/pubpaa/us08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/us07_NEW_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/us09B_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/us09C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/us09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/us10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/us10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpaa/us10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/us10_NEW_PUB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/us60_NEW_PUB.pep:*

18: /cgn2_6/ptodata/1/pubpaa/us60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	93.2	685	9	US-09-771-161A-250
10	41	93.2	685	9	US-09-771-161A-251
11	41	93.2	685	10	US-09-769-970-1
12	41	93.2	685	12	US-10-260-708-69
13	41	93.2	685	14	US-10-024-298A-101
14	41	93.2	685	14	US-10-042-211A-101
15	41	93.2	685	16	US-10-617-217A-101

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	93.2	685	9	US-09-771-161A-250
10	41	93.2	685	9	US-09-771-161A-251
11	41	93.2	685	10	US-09-769-970-1
12	41	93.2	685	12	US-10-260-708-69
13	41	93.2	685	14	US-10-024-298A-101
14	41	93.2	685	14	US-10-042-211A-101
15	41	93.2	685	16	US-10-617-217A-101

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	93.2	685	9	US-09-771-161A-250
10	41	93.2	685	9	US-09-771-161A-251
11	41	93.2	685	10	US-09-769-970-1
12	41	93.2	685	12	US-10-260-708-69
13	41	93.2	685	14	US-10-024-298A-101
14	41	93.2	685	14	US-10-042-211A-101
15	41	93.2	685	16	US-10-617-217A-101

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	93.2	685	9	US-09-771-161A-250
10	41	93.2	685	9	US-09-771-161A-251
11	41	93.2	685	10	US-09-769-970-1
12	41	93.2	685	12	US-10-260-708-69
13	41	93.2	685	14	US-10-024-298A-101
14	41	93.2	685	14	US-10-042-211A-101
15	41	93.2	685	16	US-10-617-217A-101

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	93.2	685	9	US-09-771-161A-250
10	41	93.2	685	9	US-09-771-161A-251
11	41	93.2	685	10	US-09-769-970-1
12	41	93.2	685	12	US-10-260-708-69
13	41	93.2	685	14	US-10-024-298A-101
14	41	93.2	685	14	US-10-042-211A-101
15	41	93.2	685	16	US-10-617-217A-101

Result No.	Score	Query Match	Length	DB ID	Description
1	44	100.0	8	9	US-09-736-076-16
2	44	100.0	9	9	US-09-736-076-17
3	41	93.2	9	9	US-09-736-076-15
4	41	93.2	10	9	US-09-736-076-57
5	41	93.2	11	9	US-09-736-076-19
6	41	93.2	400	14	US-10-026-021-5
7	41	93.2	469	14	US-10-059-585-14
8	41	93.2	685	9	US-09-771-161A-249
9	41	9			

RESULT 3
 US-09-736-076-15
 ; Sequence 15, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 17
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(9)
 ; OTHER INFORMATION: J43.1
 ; OTHER INFORMATION: US-09-736-076-17

Query Match 100.0%; Score 44; DB 9; Length 9;
 Best Local Similarity 100.0%; Pred. No. 1e+06;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 MLLGKPPF 8

RESULT 3
 US-09-736-076-15
 ; Sequence 15, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 15
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(9)
 ; OTHER INFORMATION: J42
 ; OTHER INFORMATION: US-09-736-076-17

Query Match 93.2%; Score 41; DB 9; Length 9;
 Best Local Similarity 87.5%; Pred. No. 1e+06;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 MLLGKPPF 8

RESULT 4
 US-09-736-076-19
 ; Sequence 19, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 19
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(11)
 ; OTHER INFORMATION: J46
 ; OTHER INFORMATION: US-09-736-076-19

Query Match 93.2%; Score 41; DB 9; Length 11;
 Best Local Similarity 87.5%; Pred. No. 0.96%;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 MLLGKPPF 8

RESULT 6
 US-10-026-021-5
 ; Sequence 5, Application US/10026021
 ; Publication No. US20030082776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026, 021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309, 632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) .(400)
 ; OTHER INFORMATION: human SNK mitotic kinase kinase domain
 US-10-026-021-5

Query Match 93.2%; Score 41; DB 14; Length 400;
 Best Local Similarity 87.5%; Pred. No. 34;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 7
 US-10-059-585-14
 ; Sequence 14, Application US/10059585
 ; Publication No. US20030082776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ota, Toshio
 ; APPLICANT: Nishikawa, Tetsuo
 ; APPLICANT: Hayashi, Koji
 ; APPLICANT: Otsuka, Kaoru
 ; APPLICANT: Yamamoto, Jun-ichi
 ; APPLICANT: Ishii, Shizuko
 ; APPLICANT: Sugiyama, Tomoyasu
 ; APPLICANT: Wakamatsu, Ai
 ; APPLICANT: Nagai, Keiichi
 ; APPLICANT: Otsuki, Tetsuji
 ; APPLICANT: Funahashi, Shin-ichi
 ; APPLICANT: Senoo, Chiaki
 ; APPLICANT: Nezu, Jun-Ichi
 ; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
 ; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
 ; FILE REFERENCE: 06501-098001
 ; CURRENT APPLICATION NUMBER: US/10/059, 585
 ; CURRENT FILING DATE: 2002-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP00/05060
 ; PRIOR FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: US 60/183, 322
 ; PRIOR FILING DATE: 2000-02-17
 ; PRIOR APPLICATION NUMBER: US 60/159, 590
 ; PRIOR FILING DATE: 1999-10-18
 ; PRIOR APPLICATION NUMBER: JP 2000-118776
 ; PRIOR FILING DATE: 2000-01-11
 ; PRIOR APPLICATION NUMBER: JP 2000-183767
 ; PRIOR FILING DATE: 2000-05-02
 ; PRIOR APPLICATION NUMBER: JP 11-248036
 ; PRIOR FILING DATE: 1999-07-29

Query Match 93.2%; Score 41; DB 9; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 8
 US-09-771-161A-249
 ; Sequence 249, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771, 161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724, 676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 249
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-249

Query Match 93.2%; Score 41; DB 9; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 9
 US-09-771-161A-250
 ; Sequence 250, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771, 161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724, 676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 250
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-250

Query Match 93.2%; Score 41; DB 9; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 10
 US-09-771-161A-251
 ; Sequence 251, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 251
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-251

Query Match 93.2%; Score 41; DB 9; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 11
 US-09-769-970-1
 ; Sequence 1, Application US/09769970
 ; Publication No. US20030170219A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; Corley, Jennifer L.
 ; Hillman, Karl G.
 ; Lal, Preeti
 ; Goli, Surya K.
 ; Shah, Purvi
 ; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/769,970
 ; FILING DATE: 24-Jan-2001

Query Match 93.2%; Score 41; DB 12; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 12
 US-10-260-708-69
 ; Sequence 69, Application US/10260708
 ; Publication No. US20040063101A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Scanlan, Matthew
 ; APPLICANT: Lee, Sang-Yull
 ; APPLICANT: Old, Lloyd
 ; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
 ; FILE REFERENCE: L00461/70138
 ; CURRENT APPLICATION NUMBER: US/10/260,708
 ; CURRENT FILING DATE: 2002-09-30
 ; NUMBER OF SEQ ID NOS: 96
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 69
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-10-260-708-69

Query Match 93.2%; Score 41; DB 12; Length 685;
 Best Local Similarity 87.5%; Pred. No. 58;
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 280

RESULT 13
 US-10-024-298A-101
 ; Sequence 101, Application US/10024298A
 ; Publication No. US20030143540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
 ; APPLICANT: Akio MATSUDA
 ; APPLICANT: Goichi HONDA
 ; APPLICANT: Shuji MURAMATSU
 ; APPLICANT: Yukiko NAGANO
 ; TITLE OF INVENTION: NE-K B Activating Gene

RESULT 15
JS-10-617-217A-101
SEARCHED 10

US-09-842-582-9
 ; Sequence 9, Application US/09842582
 ; Patent No. US20020155570A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: 2246, NOVEL PROTEIN KINASE MOLECULES AND
 ; TITLE OF INVENTION: USES THEREFOR
 ; FILE REFERENCE: 38155-20054.00
 ; CURRENT APPLICATION NUMBER: US/09/842,582
 ; CURRENT FILING DATE: 2001-04-25
 ; PRIOR APPLICATION NUMBER: US 60/199,391
 ; PRIOR FILING DATE: 2000-04-25
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 9
 ; LENGTH: 40
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Consensus amino acid
 US-09-842-582-9

Query Match 88.6%; Score 39; DB 9; Length 40;
 Best Local Similarity 87.5%; Pred. No. 7.8;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MLLGKPPF 8
 Db 33 MLTGKPPF 40

RESULT 18
 US-09-515-806-24
 ; Sequence 24, Application US/09515806
 ; Patent No. US20020132321A1
 ; GENERAL INFORMATION:
 ; APPLICANT: COOK, WILLIAM J.
 ; APPLICANT: KAPELLER-LIBERMANN, ROSANA
 ; TITLE OF INVENTION: 14790, NOVEL PROTEIN KINASE MOLECULE AND USES THEREFOR
 ; FILE REFERENCE: 38155-20002.00
 ; CURRENT APPLICATION NUMBER: US/09/515,806
 ; CURRENT FILING DATE: 2000-02-29
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 24
 ; LENGTH: 122
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Consensus
 ; OTHER INFORMATION: kinase sequence
 US-09-515-806-24

Query Match 88.6%; Score 39; DB 9; Length 122;
 Best Local Similarity 87.5%; Pred. No. 24;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 30 MLTGKPPF 37

RESULT 19
 US-10-410-764-107
 ; Sequence 107, Application US/10410764
 ; Publication No. US2004005664A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Meyers, Rachel E.
 ; APPLICANT: MacBeth, Kyle J.
 ; APPLICANT: Curtis, Rory A.J.
 ; APPLICANT: Rudolph-Owen, Laura A.

US-10-172-088-12
 ; Sequence 12, Application US/10172088
 ; Publication No. US20030008370A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Meyers, Rachel E.
 ; TITLE OF INVENTION: 13295 NOVEL PROTEIN KINASE MOLECULES AND
 ; FILE REFERENCE: 38155-20010.01
 ; CURRENT APPLICATION NUMBER: US/10/172,088
 ; CURRENT FILING DATE: 2002-09-18
 ; PRIOR APPLICATION NUMBER: US/09/596,071
 ; PRIOR FILING DATE: 2000-06-16
 ; PRIOR APPLICATION NUMBER: US 60/199,391
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 183

US-10-410-764-107
 ; Sequence 107, Application US/10410764
 ; Publication No. US2004005664A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Meyers, Rachel E.
 ; APPLICANT: MacBeth, Kyle J.
 ; APPLICANT: Curtis, Rory A.J.
 ; APPLICANT: Rudolph-Owen, Laura A.

;

TYPE: PRT ; ORGANISM: Artificial sequence ; FEATURE: ; OTHER INFORMATION: Consensus amino acid sequence US-10-172-088-12

Query Match 88.6%; Score 39; DB 14; Length 183; Best Local Similarity 87.5%; Pred. No. 35; Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 176 MLTGKPPF 183

RESULT 21

US-10-424-599-251506 ; Sequence 251506, Application US/10424599 ; Publication No. US20040031072A1 ; GENERAL INFORMATION: ; APPLICANT: La Rosa Thomas J ; APPLICANT: Kovalic David K ; APPLICANT: Zhou Yihua ; APPLICANT: Cao Yongwei ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement ; FILE REFERENCE: 38-21 (53223)B ; CURRENT APPLICATION NUMBER: US/10/424,599 ; CURRENT FILING DATE: 2003-04-28 ; NUMBER OF SEQ ID NOS: 285684 ; SEQ ID NO 251506 ; LENGTH: 188 ; TYPE: PRT ; ORGANISM: Glycine max ; FEATURE: ; OTHER INFORMATION: Clone ID: PAT_MRT3847_69137C.1.pep US-10-424-599-251506

Query Match 88.6%; Score 39; DB 12; Length 188; Best Local Similarity 87.5%; Pred. No. 36; Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 56 MLTGKPPF 63

RESULT 22

US-10-425-114-71587 ; Sequence 71587, Application US/10425114 ; Publication No. US20040034888A1 ; GENERAL INFORMATION: ; APPLICANT: Liu, Jingdong ; APPLICANT: Zhou, Yihua ; APPLICANT: Kovalic, David K. ; APPLICANT: Screen, Steven E ; APPLICANT: Tabaska, Jack E ; APPLICANT: Cao, Yongwei ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement ; FILE REFERENCE: 38-21 (53313)B ; CURRENT APPLICATION NUMBER: US/10/425,114 ; CURRENT FILING DATE: 2003-04-28 ; NUMBER OF SEQ ID NOS: 73128 ; SEQ ID NO 71587 ; LENGTH: 193 ; TYPE: PRT ; ORGANISM: Saccharomyces cerevisiae ; OTHER INFORMATION: US-10-425-114-71587

Query Match 88.6%; Score 39; DB 10; Length 256; Best Local Similarity 75.0%; Pred. No. 49; Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 193 LLIGKPPF 200

RESULT 24

US-10-425-114-54987 ; Sequence 54987, Application US/10425114 ; Publication No. US20040034888A1 ; GENERAL INFORMATION: ; APPLICANT: Liu, Jingdong ; APPLICANT: Zhou, Yihua ; APPLICANT: Kovalic, David K. ; OTHER INFORMATION: Clone ID: UC-ZMFLM017156C09_FLI.pep US-10-425-114-71587

Query Match 88.6%; Score 39; DB 12; Length 193;

; APPLICANT: Screen, Steven E
 ; APPLICANT: Tabaska, Jack E
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53313)B
 ; CURRENT APPLICATION NUMBER: US/10/425,114
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 73128
 ; SEQ ID NO 54987
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: UC-GMROPI065C11_FLI.pep
 ; US-10-425-114-54987

Query Match 88.6%; Score 39; DB 12; Length 257;
 Best Local Similarity 87.5%; Pred. No. 49;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 118 MLTGKPPF 125

RESULT 25
 US-10-425-114-63451
 ; Sequence 63451, Application US/10425114
 ; Publication No. US20040034888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Screen, Steven E
 ; APPLICANT: Tabaska, Jack E
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53313)B
 ; CURRENT APPLICATION NUMBER: US/10/425,114
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 73128
 ; SEQ ID NO 63451
 ; LENGTH: 325
 ; TYPE: PRT
 ; ORGANISM: Zea mays
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: UC-ZMFLB73151H11_FLI.pep
 ; US-10-425-114-63451

Query Match 88.6%; Score 39; DB 12; Length 325;
 Best Local Similarity 87.5%; Pred. No. 62;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 186 MLTGKPPF 193

RESULT 26
 US-10-425-114-52224
 ; Sequence 52224, Application US/10425114
 ; Publication No. US20040034888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Screen, Steven E
 ; APPLICANT: Tabaska, Jack E
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223)B
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO 280612
 ; LENGTH: 479
 ; TYPE: PRT
 ; ORGANISM: Glycine max

; FILE REFERENCE: 38-21(53313)B
 ; CURRENT APPLICATION NUMBER: US/10/425,114
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 73128
 ; SEQ ID NO 52224
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: 700867050_FLI.pep
 ; US-10-425-114-52224

Query Match 88.6%; Score 39; DB 12; Length 345;
 Best Local Similarity 87.5%; Pred. No. 66;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 206 MLTGKPPF 213

RESULT 27
 US-10-369-493-6753
 ; Sequence 6753, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIORITY APPLICATION NUMBER: US 60/360,039
 ; PRIORITY FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO 6753
 ; LENGTH: 371
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 ; US-10-369-493-6753

Query Match 88.6%; Score 39; DB 15; Length 371;
 Best Local Similarity 75.0%; Pred. No. 71;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLLGKPPF 8
 Db 251 MMVGKPPF 258

RESULT 28
 US-10-424-599-280612
 ; Sequence 280612, Application US/10424599
 ; Publication No. US20040031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa Thomas J
 ; APPLICANT: Kovalic David K
 ; APPLICANT: Zhou Yihua
 ; APPLICANT: Cao Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
 ; Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223)B
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO 280612
 ; LENGTH: 479
 ; TYPE: PRT
 ; ORGANISM: Glycine max

;

FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_95415C.1.pep
US-10-424-599-280612

Query Match 88.6%; Score 39; DB 12; Length 479;
Best Local Similarity 87.5%; Pred. No. 91;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 340 MLTGKPPF 347

RESULT 29
US-10-425-114-58916
; Sequence 58916, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 58916
; LENGTH: 495
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700348928_FLI.pep
US-10-425-114-58916

Query Match 88.6%; Score 39; DB 12; Length 495;
Best Local Similarity 87.5%; Pred. No. 94;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 351 MLTGKPPF 358

RESULT 30
US-10-369-493-22776
; Sequence 22776, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 22776
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1) ::(628)
; OTHER INFORMATION: unsure at all Xaa locations

Query Match 88.6%; Score 39; DB 15; Length 628;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 341 MLAGKPPF 348

RESULT 31
US-10-369-493-2188
; Sequence 2188, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2188
; LENGTH: 683
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-10-369-493-2188

Query Match 88.6%; Score 39; DB 15; Length 683;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
Db 233 LLIGKPPF 240

RESULT 32
US-10-369-493-1864
; Sequence 1864, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1864
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-369-493-1864

Query Match 88.6%; Score 39; DB 15; Length 705;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8

RESULT 33
 US-09-736-076-55
 ; Sequence 55, Application US/09736076
 ; Patent No. US2002049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 55
 ; LENGTH: 8
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) . . . (0)
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) . . . (8)
 ; OTHER INFORMATION: Plk
 ; US-09-736-076-55

Query Match 86.4%; Score 38; DB 9; Length 8;
 Best Local Similarity 75.0%; Pred. No. 1e+06;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 1 LLVGKPPF 8

RESULT 34
 US-09-736-076-6
 ; Sequence 6, Application US/09736076
 ; Patent No. US2002049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: POLO
 ; US-09-736-076-6

Query Match 86.4%; Score 38; DB 9; Length 20;
 Best Local Similarity 75.0%; Pred. No. 5.9;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 3 LLVGKPPF 10

RESULT 35
 US-09-925-300-1268
 ; Sequence 1268, Application US/09925300
 ; Patent No. US20020151681A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Craig Rosen,
 ; FILE REFERENCE: PA101
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05988
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1268
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (3)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (59)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (307)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (308)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (314)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (317)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (323)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (327)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (328)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (329)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; US-09-925-300-1268

Query Match 86.4%; Score 38; DB 9; Length 329;
 Best Local Similarity 75.0%; Pred. No. 95;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 260 LLVGKPPF 267

RESULT 36
 US-10-026-021-6
 ; Sequence 6, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer

```

; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(367)
; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain
US-10-026-021-6

Query Match 86.4%; Score 38; DB 9; Length 516;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGKPPF 8
Db 157 LLVGKPPF 164

RESULT 39
US-10-369-493-1433
; Sequence 1433, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1433
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-369-493-1433

Query Match 86.4%; Score 38; DB 15; Length 525;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGKPPF 8
Db 355 MLVGKPPY 362

RESULT 40
US-10-032-585-7571
; Sequence 7571, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7571
; LENGTH: 528
; TYPE: PRT
; ORGANISM: Candida albicans
US-10-032-585-7571

Query Match 86.4%; Score 38; DB 14; Length 528;
Best Local Similarity 75.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 MLLGKPPF 8
Db :|:||| 461
454 LLYGKPPF

Search completed: June 9, 2004, 11:22:06
Job time : 33.1739 secs

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model
 Run on: June 9, 2004, 10:56:30 ; Search time 12.3261 Seconds
 (without alignment) 37.695 Million cell updates/sec

Title: US-09-736-076-17

Perfect score: 4.9
 Sequence: 1 MILGKPPFE 9

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database :

Issued Patents AA:
 1: /cgn2_6/ptodata/2/iaa/5A COMB.pep:
 2: /cgn2_6/ptodata/2/iaa/5B COMB.pep:
 3: /cgn2_6/ptodata/2/iaa/6A COMB.pep:
 4: /cgn2_6/ptodata/2/iaa/6B COMB.pep:
 5: /cgn2_6/ptodata/2/iaa/PCUTS COMB.pep:
 6: /cgn2_6/ptodata/2/iaa/backfile1.pep:
 *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	49	100.0	9	3	US-08-861-338-17		Sequence 17, Appl
2	46	93.9	9	3	US-08-861-338-15		Sequence 15, Appl
3	46	93.9	11	3	US-08-861-338-19		Sequence 19, Appl
4	46	93.9	272	1	US-08-252-995D-12		Sequence 12, Appl
5	46	93.9	272	2	US-08-834-108-12		Sequence 12, Appl
6	46	93.9	685	2	US-08-878-989-1		Sequence 1, Appl
7	46	93.9	685	3	US-09-136-282-2		Sequence 2, Appl
8	46	93.9	685	3	US-09-272-796-1		Sequence 1, Appl
9	46	93.9	685	3	US-09-505-744-2		Sequence 2, Appl
10	44	89.8	8	3	US-08-861-338-16		Sequence 16, Appl
11	43	87.8	20	3	US-08-861-338-6		Sequence 6, Appl
12	43	87.8	272	1	US-08-252-995D-14		Sequence 14, Appl
13	43	87.8	272	2	US-08-834-108-14		Sequence 14, Appl
14	43	87.8	603	3	US-09-198-122-2		Sequence 2, Appl
15	43	87.8	603	4	US-09-311-311C-26		Sequence 26, Appl
16	41	83.7	275	1	US-08-252-995D-13		Sequence 13, Appl
17	41	83.7	275	2	US-08-834-108-13		Sequence 13, Appl
18	41	83.7	403	2	US-08-755-728-4		Sequence 4, Appl
19	41	83.7	403	2	US-08-974-655-4		Sequence 4, Appl
20	41	83.7	403	3	US-09-283-011-4		Sequence 4, Appl
21	39	79.6	264	2	US-07-857-224B-17		Sequence 17, Appl
22	39	79.6	271	1	US-08-252-995D-11		Sequence 11, Appl
23	39	79.6	271	2	US-08-834-108-11		Sequence 11, Appl
24	38	77.6	273	1	US-08-252-995D-10		Sequence 10, Appl
25	38	77.6	273	2	US-08-834-108-10		Sequence 10, Appl
26	38	77.6	344	2	US-08-755-728-3		Sequence 3, Appl
27	38	77.6	344	2	US-08-974-655-3		Sequence 3, Appl

ALIGNMENTS

RESULT 1	US-08-861-338-17	;	Sequence 17, Application US/08861338
		;	Patent No. 6174993
		;	GENERAL INFORMATION:
		;	APPLICANT: Ben-Sasson, Shmuel A.
		;	TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
		;	NUMBER OF SEQUENCES: 22
		;	CORRESPONDENCE ADDRESS:
		;	ADRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
		;	STREET: Two Militia Drive
		;	CITY: Lexington
		;	STATE: Massachusetts
		;	COUNTRY: USA
		;	ZIP: 02173
		;	COMPUTER READABLE FORM:
		;	MEDIUM TYPE: Floppy disk
		;	COMPUTER: IBM PC compatible
		;	OPERATING SYSTEM: PC-DOS/MS-DOS
		;	SOFTWARE: PatentIn Release #1.0, Version #1.30
		;	CURRENT APPLICATION DATA:
		;	APPLICATION NUMBER: US/08/861,338
		;	FILING DATE: 21-MAY-1997
		;	CLASSIFICATION: 514
		;	ATTORNEY/AGENT INFORMATION:
		;	NAME: Brook, David E.
		;	REGISTRATION NUMBER: 22, 592
		;	REFERENCE/DOCKET NUMBER: CMCC-590
		;	TELECOMMUNICATION INFORMATION:
		;	TELEPHONE: (781) 861-6240
		;	TELEFAX: (781) 861-9540
		;	INFORMATION FOR SEQ ID NO: 17:
		;	SEQUENCE CHARACTERISTICS:
		;	LENGTH: 9 amino acids
		;	TYPE: amino acid
		;	STRANDEDNESS: not relevant
		;	TOPOLOGY: not relevant
		;	MOLECULE TYPE: Peptide
		;	FEATURE:
		;	NAME/KEY: Modified-site
		;	LOCATION: 1
		;	OTHER INFORMATION: /note= "N-Acetyl Methionine"
		;	NAME/KEY: Modified-site
		;	LOCATION: 9
		;	OTHER INFORMATION: /note= "Gamma Benzyl Ester of Glutamine Acid-NH2"
		;	OTHER INFORMATION: US-08-861-338-17

Query Match 100.0%; Score 49; DB 3; Length 9;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 1 MLLGKPPFE 9

RESULT 2
 US-08-861-338-15
 ; Sequence 15, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22
 ; CURRENT APPLICATION DATA:
 ; NUMBER OF SEQUENCES: 22
 ; FILING DATE: 21-MAY-1997
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 11 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9

OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "Serine-NH2"
 US-08-861-338-19

Query Match 93.9%; Score 46; DB 3; Length 11;
 Best Local Similarity 88.9%; Pred. No. 3e+05;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 1 MLLGKPPFE 9

RESULT 4
 US-08-252-995D-12
 ; Sequence 12, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada

Query Match 93.9%; Score 46; DB 3; Length 9;
 Best Local Similarity 88.9%; Pred. No. 3e+05;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 1 MLLGKPPFE 9

RESULT 3
 US-08-861-338-19
 ; Sequence 19, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:

ZIP: MSH 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 US-08-252-995D-12

Query Match 93.9%; Score 46; DB 2; Length 272;
 Best Local Similarity 88.9%; Pred. No. 0.42;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 199 MLLGKPPFE 207

RESULT 6
 US-08-878-989-1
 Sequence 1, Application US/08878989
 Patent No. 5885803
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 TITLE OF INVENTION: KINASES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/878,989
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 IMMEDIATE SOURCE:
 LIBRARY: HUVENOB1
 CLONE: 39043
 US-08-878-989-1

Query Match 93.9%; Score 46; DB 2; Length 685;
 Best Local Similarity 88.9%; Pred. No. 1.1;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 93.9%; Score 46; DB 2; Length 272;
 Best Local Similarity 88.9%; Pred. No. 0.42;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 5
 US-08-834-108-12
 Sequence 12, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids

Y 1 MLLGKPPFE 9
 Y 273 MLLGRPPFE 281

RESULT 7 US-09-136-282-2
 Sequence 2, Application US/09136282
 Patent No. 6063609

GENERAL INFORMATION:
 APPLICANT: ANDERSON, KAREN
 APPLICANT: JACKSON, JEFFREY
 APPLICANT: HANSBURY, MICHAEL
 APPLICANT: NERURKAR, SANDHYA
 APPLICANT: ROSHAK, AMY
 APPLICANT: BOUZYK, MARK
 TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ratner & Prestia
 STREET: P.O. Box 980
 CITY: Valley Forge
 STATE: PA
 COUNTRY: USA
 ZIP: 19482

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/136,282
 FILING DATE: 20-AUG-1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/878,989
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HUVENOB01
 CLONE: 39043
 US-09-272-796-1

Query Match 93.9%; Score 46; DB 3; Length 685;
 Best Local Similarity 88.9%; Pred. No. 1.1;
 Matches 8; Conservative 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9
 DB 273 MLLGRPPFE 281

RESULT 9 US-09-505-744-2
 Sequence 2, Application US/09505744
 Patent No. 6245544

GENERAL INFORMATION:
 APPLICANT: Karen M. Anderson
 APPLICANT: Mark M. Bouzyk
 APPLICANT: Michael J. Hansbury
 APPLICANT: Jeffrey R. Jackson
 APPLICANT: Sandhya S. Nerurkar
 APPLICANT: Amy K. Roshak

TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
 FILE REFERENCE: GH-70231-D1

CURRENT APPLICATION NUMBER: US/09/505,744
 CURRENT FILING DATE: 2000-02-16
 EARLIER APPLICATION NUMBER: 09/136,282
 EARLIER FILING DATE: 1998-08-20
 EARLIER APPLICATION NUMBER: 60/056,112
 EARLIER FILING DATE: 1997-08-20
 NUMBER OF SEQ ID NOS: 3

RESULT 8 US-09-272-796-1
 Sequence 1, Application US/09272796
 Patent No. 6207148

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guebler, Karl G.

SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 685
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
; US-09-505-744-2

Query Match 93.9%; Score 46; DB 3; Length 685;
Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
Db 273 MLLGKPPFE 281

RESULT 10
US-08-861-338-16
; Sequence 16, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: peptide
; MOLECULE TYPE: peptide

US-08-861-338-6

Query Match 87.8%; Score 43; DB 3; Length 20;
Best Local Similarity 77.8%; Pred. No. 0.1;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLLGKPPFE 9
Db 3 LLVGKPPFE 11

RESULT 12
US-08-252-995D-14
; Sequence 14, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

US-08-861-338-16
Query Match 89.8%; Score 44; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 8
Db 1 MLLGKPPFE 8

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96

TELECOMMUNICATION INFORMATION:

TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398

SEQUENCE CHARACTERISTICS:

LENGTH: 272 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus

US-08-252-995D-14

Query Match 87.8%; Score 43; DB 2; Length 272;
 Best Local Similarity 77.8%; Pred. No. 1.5;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 199 LLVGKPPFE 207

RESULT 14
 US-09-198-122-2

Sequence 2, Application US/09198122

GENERAL INFORMATION:

APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;
 APPLICANT: Holtrich, Uwe

TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-THREONINE-KINASE FAMILY

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 STREET: 660 White Plains Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-5144

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 MEDIUM TYPE: storage

COMPUTER: NEC Powermate SX-20
 OPERATING SYSTEM: DOS
 SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/198,122
 FILING DATE: 10-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/601,014
 FILING DATE: 23-FEB-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993

ATTORNEY/AGENT INFORMATION:

NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141

REFERENCE/DOCKET NUMBER: Bayer 9516-KGB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 603 amino acids
 TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-09-198-122-2

RESULT 15
 US-09-311-311C-26

Query Match 87.8%; Score 43; DB 3; Length 603;
 Best Local Similarity 77.8%; Pred. No. 3.5;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

Sequence 26, Application US/09311311C
 ; Patent No. 6358738
 ; GENERAL INFORMATION:
 ; APPLICANT: Erikson, et al.
 ; TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
 ; METHODS, AND USES THEREFOR
 ; FILE REFERENCE: 1874/117
 ; CURRENT APPLICATION NUMBER: US/09/311,311C
 ; CURRENT FILING DATE: 1999-05-13
 ; PRIOR APPLICATION NUMBER: US 60/085,296
 ; PRIOR FILING DATE: 1998-05-13
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 603
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) . . . (603)
 ; OTHER INFORMATION: Plk protein
 US-09-311-311C-26

Query Match 87.8%; Score 43; DB 4; Length 603;
 Best Local Similarity 77.8%; Pred. No. 3.5;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 16
 US-08-252-995D-13
 ; Sequence 13, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 275 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Saccharomyces cerevisiae
 US-08-834-108-13

Query Match 83.7%; Score 41; DB 1; Length 275;
 Best Local Similarity 66.7%; Pred. No. 3.7;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 200 LLVGKPPFQ 208

RESULT 18
 US-08-755-728-4
 ; Sequence 4, Application US/08755728
 ; Patent No. 5962312
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1

TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,655
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 5972676ember 25, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-755-728-4

RESULT 20
 US-09-283-011-4
 ; Sequence 4, Application US/09283011
 ; Patent No. 6207401
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; ATTORNEY: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135

RESULT 19
 US-08-974-655-4
 ; Sequence 4, Application US/08974,655
 ; Patent No. 5972676
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

FILING DATE: January 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-283-011-4

RESULT 21
 US-07-857-224B-17
 Sequence 17, Application US/07857224B
 Patent No. 5958784

GENERAL INFORMATION:
 APPLICANT: Benner, Steven A.
 TITLE OF INVENTION: Predicting Folded Structures of Proteins
 NUMBER OF SEQUENCES: 114
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Steven A. Benner
 STREET: Hadlaubstrasse 151
 CITY: Zurich
 STATE: none
 COUNTRY: Switzerland
 ZIP: (note: this is an international post code) CH-8092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Macintosh 7.0
 SOFTWARE: Microsoft Word
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/857,224B
 FILING DATE: 03/25/92
 CLASSIFICATION: 436
 PRIOR APPLICATION DATA: none
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (International) 41 1 632 2830
 TELEFAX: (International) 41 1 262 2437
 TELEX: none
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 264
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 DESCRIPTION: protein
 ORIGINAL SOURCE: Drosophila melanogaster

FEATURE: Protein kinase; Table 8 Column 8 Column 18
 PUBLICATION INFORMATION:
 AUTHORS:
 AUTHORS: Hanks, S. K.
 AUTHORS: Quinn, A. M.
 AUTHORS: Hunter, T.
 TITLE: The protein kinase family
 JOURNAL: Science
 VOLUME: 241
 PAGES: 42-52
 DATE: 1988
 US-07-857-224B-17

Query Match 79.6%; Score 39; DB 2; Length 264;
 Best Local Similarity 66.7%; Pred. No. 8.3;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 195 LLVGQPPFD 203

RESULT 22
 US-08-252-995D-11
 Sequence 11, Application US/08252995D
 Patent No. 5650501

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk,
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M.
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 271 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Drosophila melanogaster

US-08-252-995D-11

Query Match 79.6%; Score 39; DB 1; Length 271;
 Best Local Similarity 66.7%; Pred. No. 8.5;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 198 LLVGQPPFD 206

RESULT 23
 US-08-834-108-11
 Sequence 11, Application US/08834108
 Patent No. 5976893

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398

INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 273 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

SEQUENCE SOURCE:
 ORIGINAL SOURCE: Homo sapiens
 US-08-252-995D-10

Query Match 77.6%; Score 38; DB 1; Length 273;
 Best Local Similarity 55.6%; Pred. No. 13;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 200 LLIGRPPFD 208

RESULT 25
 US-08-834-108-10
 Sequence 10, Application US/08834108
 Patent No. 5976893

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398

INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 271 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

SEQUENCE SOURCE:
 ORIGINAL SOURCE: Drosophila melanogaster
 US-08-834-108-11

Query Match 79.6%; Score 39; DB 2; Length 271;
 Best Local Similarity 66.7%; Pred. No. 8.5;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 198 LLVGQPPFE 206

RESULT 24
 US-08-252-995D-10
 Sequence 10, Application US/08252995D
 Patent No. 5650501

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:

Query Match 1 MLLGKPPFE 9 ;
 Best Local Similarity 55.6%; Pred. No. 13;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
 US-08-834-108-10 Db

RESULT 26
 US-08-755-728-3 ; Sequence 3, Application US/08755728 ;
 Patent No. 5962312 ; GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,655
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO. 5972676ember 25, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-755-728-3

Query Match 1 MLLGKPPFE 9 ;
 Best Local Similarity 66.7%; Pred. No. 17;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 US-08-755-728-3 Db

RESULT 27
 US-08-974-655-3 ; Sequence 3, Application US/08974655 ;
 Patent No. 5972676 ; GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,655
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO. 5962312ember 25, 1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/755,728
 FILING DATE: NO. 5962312ember 25, 1996
 CLASSIFICATION: 223/113
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-974-655-3

Query Match 1 MLLGKPPFE 9 ;
 Best Local Similarity 66.7%; Pred. No. 17;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 US-09-283-011-3 ; Sequence 3, Application US/09283011 ;
 Patent No. 6207401 ; GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135
 FILING DATE: January 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-283-011-3

Query Match 77.6%; Score 38; DB 3; Length 344;
 Best Local Similarity 66.7%; Pred. No. 17;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9
 Db 266 LLVGNPPFE 274

RESULT 29
 US-09-016-000-1
 Sequence 1, Application US/09016000
 Patent No. 5962232

GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Bandman, Olga
 APPLICANT: Akerblom, Ingrid E.
 APPLICANT: Shah, Purvi
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 TITLE OF INVENTION: PROTEIN KINASE MOLECULES
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/016,000
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0465 US
 TELECOMMUNICATION INFORMATION:
 TELEX: 650-855-0555
 TELEPHONE: 650-845-4166
 TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 347 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HMC1NOT01
 CLONE: 2940
 US-09-016-000-1

Query Match 77.6%; Score 38; DB 2; Length 347;
 Best Local Similarity 66.7%; Pred. No. 17;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9
 Db 269 LLVGNPPFE 277

RESULT 30
 US-08-252-995D-2
 Sequence 2, Application US/08252995D

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

RESULT 32
 US-08-252-995D-6
 ; Sequence 6, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252,995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-96
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 464 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-252-995D-6

Query Match 77.6%; Score 38; DB 1; Length 416;
 Best Local Similarity 55.6%; Pred. No. 20;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 204 LLIGRPPFD 212

RESULT 31
 US-08-834-108-2
 ; Sequence 2, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 416 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-834-108-2

Query Match 77.6%; Score 38; DB 1; Length 464;
 Best Local Similarity 55.6%; Pred. No. 23;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 204 LLIGRPPFD 212

RESULT 33
 US-08-834-108-6
 ; Sequence 6, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 ; CURRENT APPLICATION DATA:

Query Match 77.6%; Score 38; DB 2; Length 416;
 Best Local Similarity 55.6%; Pred. No. 20;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 204 LLIGRPPFD 212

APPLICATION NUMBER: US/08/834,108
 FILING DATE: 5/3/04
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-6

Query Match 77.6%; Score 38; DB 2; Length 464;
 Best Local Similarity 55.6%; Pred. No. 23;
 Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
 TYPE: amino acid
 TOPology: linear
 MOLECULE TYPE: protein
 US-08-252-995D-4

RESULT 34
 US-09-772-647-4
 ; Sequence 4, Application US/09772647
 ; Patent No. 6521815
 ; GENERAL INFORMATION:
 ; APPLICANT: Verma, Ajit K
 ; APPLICANT: Reddig, Peter J
 ; APPLICANT: Jansen, Aaron P
 ; TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma
 ; FILE REFERENCE: 960296.97613
 ; CURRENT APPLICATION NUMBER: US/09/772,647
 ; CURRENT FILING DATE: 2001-01-30
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 737
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: T7 tag and
 ; OTHER INFORMATION: mouse protein kinase C epsilon coding sequence
 US-09-772-647-4

Query Match 77.6%; Score 38; DB 4; Length 737;
 Best Local Similarity 66.7%; Pred. No. 37;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 TYPE: amino acid
 TOPology: linear
 MOLECULE TYPE: protein
 US-08-252-995D-4

RESULT 35
 US-08-252-995D-4
 ; Sequence 4, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 925 amino acids
 ; TYPE: amino acid

;

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-834-108-4

Query Match 77.6%; Score 38; DB 2; Length 925;

Best Local Similarity 55.6%; Pred. No. 47;

Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGKPPFE 9

Db 204 LLIGRPPFD 212

RESULT 37

US-09-428-711A-21

;

Sequence 21, Application US/09428711A

;

GENERAL INFORMATION:

;

APPLICANT: Muramatsu, Masaki

;

APPLICANT: Shirasawa, Takaji

;

APPLICANT: Tokumitsu, Hiroshi

;

APPLICANT: No. 6358720uchi, Teruhisa

;

TITLE OF INVENTION: SERINE/THREONINE PROTEIN KINASE

;

FILE REFERENCE: 06501-045001

;

CURRENT APPLICATION NUMBER: US/09/428,711A

;

CURRENT FILING DATE: 1999-10-28

;

PRIOR APPLICATION NUMBER: PCT/JP98/01246

;

PRIOR FILING DATE: 1998-03-23

;

PRIOR APPLICATION NUMBER: JP 9/124798

;

PRIOR FILING DATE: 1997-04-28

;

NUMBER OF SEQ ID NOS: 21

;

SOFTWARE: FastSEQ for Windows Version 4.0

;

SEQ ID NO: 21

;

LENGTH: 1037

;

TYPE: PRT

;

ORGANISM: *Mus musculus*

US-09-428-711A-21

RESULT 39

US-08-861-338-3

;

Sequence 3, Application US/08861338

;

Patent No. 6174993

;

GENERAL INFORMATION:

;

APPLICANT: Ben-Sasson, Shmuel A.

;

TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES

;

NUMBER OF SEQUENCES: 22

;

CORRESPONDENCE ADDRESS:

;

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

;

STREET: Two Militia Drive

;

CITY: Lexington

;

STATE: Massachusetts

;

COUNTRY: USA

;

ZIP: 02173

;

COMPUTER READABLE FORM:

;

MEDIUM TYPE: Floppy disk

;

COMPUTER: IBM PC compatible

;

OPERATING SYSTEM: PC-DOS/MS-DOS

;

SOFTWARE: Patent In Release #1.0, Version #1.30

;

CURRENT APPLICATION NUMBER: US/08/861,338

;

FILING DATE: 21-MAY-1997

;

CLASSIFICATION: 514

;

ATTORNEY/AGENT INFORMATION:

;

NAME: Brook, David E.

;

REGISTRATION NUMBER: 22,592

;

REFERENCE/DOCKET NUMBER: CMCC-590

;

TELECOMMUNICATION INFORMATION:

;

TELEPHONE: (781) 861-6240

;

TELEFAX: (781) 861-9540

;

INFORMATION FOR SEQ ID NO: 3

;

SEQUENCE CHARACTERISTICS:

;

LENGTH: 20 amino acids

;

TYPE: amino acid

;

STRANDEDNESS: not relevant

; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; US-08-861-338-3

Query Match 75.5%; Score 37; DB 3; Length 20;
 Best Local Similarity 66.7%; Pred. No. 1.4;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MLLGKPPFE 9
 Db 3 MLAGQPPFD 11

RESULT 40

US-07-857-224B-10

; Sequence 10, Application US/07857224B

; Patent No. 5958784

; GENERAL INFORMATION:

; APPLICANT: Benner, Steven A.

; TITLE OF INVENTION: Predicting Folded Structures of Proteins

; NUMBER OF SEQUENCES: 114

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Steven A. Benner

; STREET: Hadlaubstrasse 151

; CITY: Zurich

; STATE: none

; COUNTRY: Switzerland

; ZIP: (note: this is an international post code) CH-8092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage

; COMPUTER: Apple Macintosh

; OPERATING SYSTEM: Macintosh 7.0

; SOFTWARE: Microsoft Word

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/857,224B

; FILING DATE: 03/25/92

; CLASSIFICATION: 436

; PRIOR APPLICATION DATA: none

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (International) 41 1 632 2830

; TELEFAX: (International) 41 1 262 2437

; TELEX: none

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 264

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE:

; DESCRIPTION: protein

; ORIGINAL SOURCE:

; ORGANISM: bovine

; FEATURE: Protein kinase; Table 8 Column 11

; PUBLICATION INFORMATION:

; AUTHORS:

; AUTHORS: Hanks, S. K.

; AUTHORS: Quinn, A. M.

; AUTHORS: Hunter, T.

; TITLE: The protein kinase family

; JOURNAL: Science

; VOLUME: 241

; PAGES: 42-52

; DATE: 1988

; US-07-857-224B-10

; Query Match 75.5%; Score 37; DB 2; Length 264;
 Best Local Similarity 66.7%; Pred. No. 20;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;; Qy 1 MLLGKPPFE 9
 Db 195 MLAGQPPFD 203

Sequence 33, App1

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
 9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

RESULT 1
US-09-736-076-17
; Sequence 17, Application US/09736076
; Patent No. US20020049301A1

GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIORITY NUMBER: US 08/861,338
; PRIORITY FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) .. (0)
; OTHER INFORMATION: position 9 is benzylicester
; NAME/KEY: AMIDATION
; LOCATION: (0) .. (9)
; OTHER INFORMATION: J43.1
; US-09-736-076-17

Query Match 100.0%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
Db 1 MLLGKPPFE 9

RESULT 2
Sequence 3124, App1

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	49	100.0	9	US-09-736-076-17	Sequence 17, App1
2	46	93.9	9	US-09-736-076-15	Sequence 15, App1
3	46	93.9	10	US-09-736-076-57	Sequence 57, App1
4	46	93.9	11	US-09-736-076-19	Sequence 19, App1
5	46	93.9	400	US-10-026-021-5	Sequence 5, App1
6	46	93.9	469	US-10-059-585-14	Sequence 14, App1
7	46	93.9	685	US-09-771-161A-249	Sequence 249, App1
8	46	93.9	685	US-09-771-161A-250	Sequence 250, App1
9	46	93.9	685	US-09-771-161A-251	Sequence 251, App1
10	46	93.9	685	US-09-769-970-1	Sequence 1, App1
11	46	93.9	685	US-10-260-708-69	Sequence 69, App1
12	46	93.9	685	US-10-024-298A-101	Sequence 101, App1
13	46	93.9	685	US-10-042-211A-101	Sequence 101, App1
14	46	93.9	685	US-10-617-217A-101	Sequence 101, App1
15	46	93.9	753	US-10-264-049-3124	Sequence 3124, App1

RESULT 4
 US-09-736-076-19
 ; Sequence 15, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736, 076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861, 338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 15
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) :: .(0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) :: .(9)
 ; OTHER INFORMATION: J42
 ; US-09-736-076-15
 Query Match 93.9%; Score 46; DB 9; Length 9;
 Best Local Similarity 88.9%; Pred. No. 1e+06;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPFE 9
 Db 1 MLLGRPPFE 9

RESULT 3
 US-09-736-076-57
 ; Sequence 57, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736, 076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861, 338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 57
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: MYRISTATE
 ; LOCATION: (1) :: .(0)
 ; OTHER INFORMATION: position 10 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) :: .(10)
 ; OTHER INFORMATION: SNK
 ; US-09-736-076-57
 Query Match 93.9%; Score 46; DB 9; Length 10;
 Best Local Similarity 88.9%; Pred. No. 0.13;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPFE 9
 Db 2 MLLGRPPFE 10

RESULT 5
 US-10-026-021-5
 ; Sequence 5, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026, 021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309, 632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) :: .(400)
 ; OTHER INFORMATION: human SNK mitotic kinase domain
 ; US-10-026-021-5
 Query Match 93.9%; Score 46; DB 14; Length 400;
 Best Local Similarity 88.9%; Pred. No. 5.3;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 273 MLLGRPPFE 281

```

RESULT 6
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-249
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASES
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059, 585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183, 322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159, 590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 469
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-059-585-14

Query Match 93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPFE 9
Db 273 MLIGRPPFE 281

RESULT 8
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-250
; Sequence 250, Application US/09771161A
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771, 161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724, 676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-250

Query Match 93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLIGKPPFE 9
Db 273 MLIGRPPFE 281

RESULT 9
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-251
; Sequence 251, Application US/09771161A
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771, 161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724, 676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 251
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-771-161A-251

Query Match 93.9%; Score 46; DB 9; Length 685;
Best Local Similarity 88.9%; Pred. No. 9.1;

```

RESULT 10
 US-09-769-970-1
 ; Sequence 1, Application US/09769970
 ; Publication No. US20030170219A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; Hillman, Jennifer L.
 ; Corley, Neil C.
 ; Guegler, Karl G.
 ; Lal, Preeti
 ; Goli, Surya K.
 ; Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/769,970
 FILING DATE: 24-Jan-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/272,796
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: FF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HUVENOB01
 CLONE: 39043
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 ;US-09-769-970-1

Qy 1 MLLGKPPFE 9 ; Publication No. US20040063101A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Scanlan, Matthew
 ; APPLICANT: Lee, Sang-Yull
 ; APPLICANT: Old, Lloyd
 ; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
 ; FILE REFERENCE: L00461/70138
 ; CURRENT APPLICATION NUMBER: US/10/260,708
 ; CURRENT FILING DATE: 2002-09-30
 ; NUMBER OF SEQ ID NOS: 96
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 69
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-10-260-708-69

Db 273 MLLGRPPFE 281

RESULT 12
 US-10-024-298A-101
 ; Sequence 101, Application US/10024298A
 ; Publication No. US20030143540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
 ; APPLICANT: Akio MATSUDA
 ; APPLICANT: Goichi HONDA
 ; APPLICANT: Shuji MURAMATSU
 ; APPLICANT: Yukiko NAGANO
 ; TITLE OF INVENTION: NF-K B Activating Gene
 ; FILE REFERENCE: 1254-0191P
 ; CURRENT APPLICATION NUMBER: US/10/024,298A
 ; CURRENT FILING DATE: 2003-04-08
 ; PRIOR APPLICATION NUMBER: 60/314,385
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: 60/278,641
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: 60/258,315
 ; PRIOR FILING DATE: 2000-12-28
 ; PRIOR APPLICATION NUMBER: JP254018/2001
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: JP0088912/2001
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: JP402288/2000
 ; PRIOR FILING DATE: 2000-12-28
 ; NUMBER OF SEQ ID NOS: 182
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 101
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-024-298A-101

Qy 1 MLLGKPPFE 9 ; Query Match 93.9%; Score 46; DB 14; Length 685;
 ; Best Local Similarity 88.9%; Pred. No. 9.1%;
 ; Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 ; Gaps 0;

Db 273 MLLGRPPFE 281

RESULT 13
 US-10-042-211A-101
 ; Sequence 101, Application US/10042211A
 ; Publication No. US20030170719A1

Qy 1 MLLGKPPFE 9 ; Query Match 93.9%; Score 46; DB 14; Length 685;
 ; Best Local Similarity 88.9%; Pred. No. 9.1%;
 ; Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 ; Gaps 0;

Db 273 MLLGRPPFE 281

RESULT 11
 US-10-260-708-69
 ; Sequence 69, Application US/10260708

RESULT 15
 US-10-264-049-3124
 ; Sequence 3124, Application US/10264049
 ; Publication No. US20040005579A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Birse et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PA133P1
 ; CURRENT APPLICATION NUMBER: US/10/264,049
 ; CURRENT FILING DATE: 2002-10-04
 ; PRIOR APPLICATION NUMBER: PCT/US01/18569
 ; PRIOR FILING DATE: 2001-06-07
 ; PRIOR APPLICATION NUMBER: US 60/209,467
 ; PRIOR FILING DATE: 2000-06-07
 ; NUMBER OF SEQ ID NOS: 4360
 ; SOFTWARE: PatentIn Ver. 3.1
 ; SEQ ID NO 3124
 ; LENGTH: 753
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: MISC_FEATURE
 ; LOCATION: (33)
 ; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
 ; US-10-264-049-3124

Query Match 93.9%; Score 46; DB 15; Length 753;
 Best Local Similarity 88.9%; Pred. No. 10;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 273 MLLGRPPFE 281

RESULT 16
 US-09-736-076-16
 ; Sequence 16, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 16
 ; LENGTH: 8
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1)...(0)
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0)...(8)
 ; OTHER INFORMATION: J43
 ; US-09-736-076-16

Query Match 89.8%; Score 44; DB 9; Length 8;
 Best Local Similarity 100.0%; Pred. No. 1e+06;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPF 8
 Db 273 MLLGRPPF 8

RESULT 17

Query Match 93.9%; Score 46; DB 16; Length 685;
 Best Local Similarity 88.9%; Pred. No. 9.1;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 273 MLLGRPPFE 281

US-09-736-076-6
 ; Sequence 6, Application US/09736076
 ; Patent No. US2002049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Samuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; TITLE OF INVENTION: Xaa equals any of the naturally occurring L-amino acids
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: POLO
 ; US-09-736-076-6

Query Match 87.8%; Score 43; DB 9; Length 20;
 Best Local Similarity 77.8%; Pred. No. 0.89;
 Matches 7; Conservative 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 3 LLVGKPPFE 11

RESULT 18
 US-09-925-300-1268
 ; Sequence 1268, Application US/09925300
 ; Patent No. US20020151681A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Craig Rosen,
 ; APPLICANT: Steve Ruben
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA101
 ; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05988
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1268
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (3)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (59)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (307)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (314)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (317)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (323)

Query Match 87.8%; Score 43; DB 9; Length 329;
 Best Local Similarity 77.8%; Pred. No. 0.15;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 260 LLVGKPPFE 268

RESULT 19
 US-10-026-021-6
 ; Sequence 6, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 367
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1)..(367)
 ; OTHER INFORMATION: human PLK1 mitotic kinase kinase domain
 ; US-10-026-021-6

Query Match 87.8%; Score 43; DB 14; Length 367;
 Best Local Similarity 77.8%; Pred. No. 0.17;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 20
 US-09-771-161A-123
 ; Sequence 123, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619

PRIOR FILING DATE: 2000-04-12
 NUMBER OF SEQ ID NOS: 273
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 123
 LENGTH: 516
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-771-161A-123

Query Match 1 MLLGKPPFE 9 ; Score 43; DB 9; Length 516;
 Best Local Similarity 77.8%; Pred. No. 23;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 157 LLVGKPPFE 165

RESULT 21
 US-10-032-585-7571
 ; Sequence 7571, Application US/10032585
 ; Publication No. US20030180953A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Terry, Roemer D.
 ; APPLICANT: Bo, Jiang
 ; APPLICANT: Charles, Boone
 ; APPLICANT: Howard, Bussey
 ; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
 ; FILE REFERENCE: 10182-005-999
 ; CURRENT APPLICATION NUMBER: US/10/032,585
 ; CURRENT FILING DATE: 2001-12-20
 ; NUMBER OF SEQ ID NOS: 8000
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 7571
 ; LENGTH: 528
 ; TYPE: PRT
 ; ORGANISM: Candida albicans
 US-10-032-585-7571

Query Match 1 MLLGKPPFE 9 ; Score 43; DB 14; Length 528;
 Best Local Similarity 77.8%; Pred. No. 24;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 454 LLVGKPPFE 462

RESULT 22
 US-09-771-161A-214
 ; Sequence 214, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 214
 ; LENGTH: 603
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-214

Query Match 1 MLLGKPPFE 9 ; Score 43; DB 12; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 23
 US-10-406-901-2
 ; Sequence 2, Application US/10406901
 ; Publication No. US2004033578A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;
 ; Holtrich, Uwe
 ; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-THREONINE-KINASE FAMILY
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 ; STREET: 660 White Plains Road
 ; CITY: Tarrytown
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10591-5144
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 ; Storage
 ; COMPUTER: NEC Powermate SX-20
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: WordPerfect 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/406,901
 ; FILING DATE: 03-APR-2003
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/634,443
 ; FILING DATE: 08-Aug-2000
 ; APPLICATION NUMBER: US/08/601,014
 ; FILING DATE: 23-FEB-1996
 ; APPLICATION NUMBER: PCT/EP94/02863
 ; FILING DATE: 30-AUG-1994
 ; APPLICATION NUMBER: DE 4329177
 ; FILING DATE: 30-AUG-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurt G. Briscoe
 ; REGISTRATION NUMBER: 33,141
 ; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (914) 332-1700
 ; TELEFAX: (914) 332-1844
 ; TELEX: <Unknown>
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 603 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: Linear
 ; MOLECULE TYPE: Protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-406-901-2

Query Match 1 MLLGKPPFE 9 ; Score 43; DB 12; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 24
 US-10-171-311-186
 ; Sequence 186, Application US/10171311

Query Match 87.8%; Score 43; DB 9; Length 603;

Publication No. US20030087270A1
 GENERAL INFORMATION:
 APPLICANT: Schlegel, Robert
 APPLICANT: Chen, Yan
 APPLICANT: Zhao, Xumei
 APPLICANT: Monahan, John
 APPLICANT: Kamatkar, Shubhangi
 APPLICANT: Glatt, Karen
 APPLICANT: Gannavarapu, Manjula
 APPLICANT: Hoersh, Sebastian
 TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER
 FILE REFERENCE: MRI-035
 CURRENT APPLICATION NUMBER: US/10/171,311
 CURRENT FILING DATE: 2002-06-12
 PRIOR APPLICATION NUMBER: US 60/298,159
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/298,155
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/335,936
 PRIOR FILING DATE: 2001-11-14
 NUMBER OF SEQ ID NOS: 238
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 186
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-171-311-186
 Query Match 87.8%; Score 43; DB 14; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 25
 US-10-188-832-110
 Sequence 110, Application US/10188832
 Publication No. US20040076955A1
 GENERAL INFORMATION:
 APPLICANT: Mack, David H.
 APPLICANT: Aziz, Natasha
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder Cancer
 TITLE OF INVENTION: FILE REFERENCE: 018501-002330US
 CURRENT APPLICATION NUMBER: US/10/188,832
 CURRENT FILING DATE: 2002-11-22
 PRIOR APPLICATION NUMBER: US 60/302,814
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: US 60/310,099
 PRIOR FILING DATE: 2001-08-03
 PRIOR APPLICATION NUMBER: US 60/343,705
 PRIOR FILING DATE: 2001-11-08
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/372,246
 PRIOR FILING DATE: 2002-04-12
 NUMBER OF SEQ ID NOS: 207
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 110
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-188-832-110
 Query Match 87.8%; Score 43; DB 16; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;

RESULT 26
 US-10-408-765A-2279
 Sequence 2279, Application US/10408765A
 Publication No. US20040101874A1
 GENERAL INFORMATION:
 APPLICANT: Ghosh, Soumitra S.
 APPLICANT: Fahy, Eoin D.
 APPLICANT: Zhang, Bing
 APPLICANT: Gibson, Bradford W.
 APPLICANT: Taylor, Steven W.
 APPLICANT: Glenn, Gary M.
 APPLICANT: Warnock, Dale E.
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 FILE REFERENCE: 660088.465
 CURRENT APPLICATION NUMBER: US/10/408,765A
 CURRENT FILING DATE: 2003-04-04
 NUMBER OF SEQ ID NOS: 3077
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 2279
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-408-765A-2279
 Query Match 87.8%; Score 43; DB 16; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGKPPFE 9
 Db 244 LLVGKPPFE 252

RESULT 27
 US-10-425-114-37525
 Sequence 37525, Application US/10425114
 Publication No. US2004034888A1
 GENERAL INFORMATION:
 APPLICANT: Liu, Jingdong
 APPLICANT: Zhou, Yihua
 APPLICANT: Kovalic, David K.
 APPLICANT: Screen, Steven E
 APPLICANT: Tabaska, Jack E
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with Plants and Uses Thereof for Plant Improvement
 TITLE OF INVENTION: FILE REFERENCE: 3B-21 (53313) B
 CURRENT APPLICATION NUMBER: US/10/425,114
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 73128
 SEQ ID NO: 37525
 LENGTH: 629
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
 US-10-425-114-37525
 Query Match 87.8%; Score 43; DB 12; Length 629;
 Best Local Similarity 77.8%; Pred. No. 28;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

RESULT 28
 US-10-425-114-37525
 Sequence 37525, Application US/10425114
 Publication No. US2004034888A1
 GENERAL INFORMATION:
 APPLICANT: Mack, David H.
 APPLICANT: Aziz, Natasha
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder Cancer
 TITLE OF INVENTION: FILE REFERENCE: 018501-002330US
 CURRENT APPLICATION NUMBER: US/10/188,832
 CURRENT FILING DATE: 2002-11-22
 PRIOR APPLICATION NUMBER: US 60/302,814
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: US 60/310,099
 PRIOR FILING DATE: 2001-08-03
 PRIOR APPLICATION NUMBER: US 60/343,705
 PRIOR FILING DATE: 2001-11-08
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/372,246
 PRIOR FILING DATE: 2002-04-12
 NUMBER OF SEQ ID NOS: 207
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 110
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-425-114-37525
 Query Match 87.8%; Score 43; DB 16; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;

RESULT 29
 US-10-425-114-37525
 Sequence 37525, Application US/10425114
 Publication No. US2004034888A1
 GENERAL INFORMATION:
 APPLICANT: Mack, David H.
 APPLICANT: Aziz, Natasha
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder Cancer
 TITLE OF INVENTION: FILE REFERENCE: 018501-002330US
 CURRENT APPLICATION NUMBER: US/10/188,832
 CURRENT FILING DATE: 2002-11-22
 PRIOR APPLICATION NUMBER: US 60/302,814
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: US 60/310,099
 PRIOR FILING DATE: 2001-08-03
 PRIOR APPLICATION NUMBER: US 60/343,705
 PRIOR FILING DATE: 2001-11-08
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/372,246
 PRIOR FILING DATE: 2002-04-12
 NUMBER OF SEQ ID NOS: 207
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 110
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-425-114-37525
 Query Match 87.8%; Score 43; DB 16; Length 603;
 Best Local Similarity 77.8%; Pred. No. 27;

RESULT 28
 US-09-898-837A-32
 Sequence 32, Application US/09898837A
 GENERAL INFORMATION:
 ; APPLICANT: Quinn, Kerry E.
 ; APPLICANT: Spytel, Kimberly A.
 ; APPLICANT: Majumder, Kumud
 ; APPLICANT: Vernet, Corine
 ; APPLICANT: Herrmann, John L.
 ; APPLICANT: Burgess, Catherine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Taupier Jr., Raymond
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: CuraGen Corporation
 ; APPLICANT: Gerlach, Valerie L
 ; APPLICANT: MacDougall, John R
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE PROTEIN-KINASE LIKE PROTEINS AND
 ; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING THE SAME
 ; FILE REFERENCE: 15966-598 CIP
 ; CURRENT APPLICATION NUMBER: US/09/898,837A
 ; CURRENT FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/165,986
 ; PRIOR FILING DATE: 1999-11-17
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,839
 ; PRIOR FILING DATE: 2000-04-05
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/195,637
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/197,080
 ; PRIOR FILING DATE: 2000-04-13
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/232,677
 ; PRIOR FILING DATE: 2000-09-15
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/181,347
 ; PRIOR FILING DATE: 2000-02-09
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/194,195
 ; PRIOR FILING DATE: 2000-04-03
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 60/215,906
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: U.S.S.N. 09/715,427
 ; NUMBER OF SEQ ID NOS: 53
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 32
 ; LENGTH: 256
 ; TYPE: PRT
 ; ORGANISM: *Saccharomyces cerevisiae*
 US-09-898-837A-32

CURRENT FILING DATE: 2003-02-28
 PRIOR APPLICATION NUMBER: US 60/360,039
 PRIOR FILING DATE: 2002-02-21
 NUMBER OF SEQ ID NOS: 47374
 SEQ ID NO: 5056
 LENGTH: 329
 TYPE: PRT
 ORGANISM: *Caenorhabditis elegans*
 US-10-369-493-5056

Query Match 83.7%; Score 41; DB 10; Length 256;
 Best Local Similarity 66.7%; Pred. No. 26;
 Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGKPPFE 9
 Db 193 LLIGKPPFQ 201

RESULT 29
 US-10-369-493-5056
 Sequence 5056, Application US/10369493
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10 (52052) B
 ; CURRENT APPLICATION NUMBER: US/10/369,493

Query Match 83.7%; Score 41; DB 12; Length 402;

RESULT 30
 US-10-087-684-51
 ; Sequence 51, Application US/10087684
 ; Publication No. US20040029116A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Edinger, Shlomit R.
 ; APPLICANT: MacDougall, John R.
 ; APPLICANT: Millet, Isabelle
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Stone, David J.
 ; APPLICANT: Gross, William M.
 ; APPLICANT: Lepley, Denise M.
 ; APPLICANT: Rieger, Daniel K.
 ; APPLICANT: Burgess, Catherineine E.
 ; APPLICANT: Casman, Stacie J.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Bolidog, Ferenc L.
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Mishra, Vishnu
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Vernet, Corine A.M.
 ; APPLICANT: Zerhusen, Bryan D.
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Guo, Xiaoqiao
 ; APPLICANT: Miller, Charles E.
 ; APPLICANT: Gangolli, Esha A.
 ; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: 21402-214 CIP
 ; CURRENT APPLICATION NUMBER: US/10/087,684
 ; CURRENT FILING DATE: 2003-03-10
 ; PRIOR APPLICATION NUMBER: 60/253,834
 ; PRIOR FILING DATE: 2000-11-29
 ; PRIOR APPLICATION NUMBER: 60/250,926
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: 60/264,180
 ; PRIOR FILING DATE: 2001-01-25
 ; PRIOR APPLICATION NUMBER: 60/274,194
 ; PRIOR FILING DATE: 2001-03-08
 ; PRIOR APPLICATION NUMBER: 60/313,656
 ; PRIOR FILING DATE: 2001-08-20
 ; PRIOR APPLICATION NUMBER: 60/327,456
 ; PRIOR FILING DATE: 2001-10-05
 ; NUMBER OF SEQ ID NOS: 220
 ; SOFTWARE: CuraSeqList version 0.1
 ; SEQ ID NO: 51
 ; LENGTH: 402
 ; TYPE: PRT
 ; ORGANISM: *Homo sapiens*
 US-10-087-684-51

Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGKPPFE 9
Db 322 LVGKPPFE 329

RESULT 31
US-10-218-779-51
; Sequence 51, Application US/10218779
; Publication No. US20040029222A1

; GENERAL INFORMATION:

; APPLICANT: Edinger, Shlomit
; APPLICANT: MacDougall, John
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gross, William
; APPLICANT: Alsobrook II, John
; APPLICANT: Lepley, Denise
; APPLICANT: Rieger, Daniel
; APPLICANT: Burgess, Catherine
; APPLICANT: Casman, Stacie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Pattrajan, Meera
; APPLICANT: Shenoy, Suresh
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Malyankar, Uriel
; APPLICANT: Guo, Xiaoqiao
; APPLICANT: Miller, Charles
; APPLICANT: Gangolli, Esha

; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-214
CURRENT APPLICATION NUMBER: US/10/218,779
CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: 60/253,834
PRIOR FILING DATE: 2000-11-29
PRIOR APPLICATION NUMBER: 60/250, -926
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/264,180
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/313,656
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/327,456
PRIOR FILING DATE: 2001-10-05
NUMBER OF SEQ ID NOS: 216
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 51
LENGTH: 402

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-218-779-51

Query Match 83.7%; Score 41; DB 12; Length 402;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LLGKPPFE 9
Db 322 LVGKPPFE 329

RESULT 32
US-09-012-135A-4

; Sequence 4, Application US/09012135A
; Patent No. US2004002916A1

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory
; APPLICANT: Mossie, Kevin
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS

; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/012,135A
; FILING DATE: January 22, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/005,268
; FILING DATE: January 9, 1998
; APPLICATION NUMBER: 08/755,728
; FILING DATE: NO. US20020081578A1ember 25, 1996

; APPLICATION NUMBER: 60/023,943

; FILING DATE: August 14, 1996
; APPLICATION NUMBER: 60/008,809
; FILING DATE: December 18, 1995
; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 231/282
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 403 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-09-012-135A-4

; Query Match 83.7%; Score 41; DB 9; Length 403;
; Best Local Similarity 87.5%; Pred. No. 41;
; Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
; Qy 2 LLGKPPFE 9
; Db 323 LVGKPPFE 330

RESULT 33
US-10-087-684-14
; Sequence 14, Application US/10087684
; Publication No. US2004002916A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.

APPLICANT: Grosse, William M.
 APPLICANT: Lepley, Denise M.
 APPLICANT: Rieger, Daniel K.
 APPLICANT: Burgess, Cathereine E.
 APPLICANT: Casman, Stacie, J.
 APPLICANT: Spytek, Kimberly A.
 APPLICANT: Boldog, Ferenc L.
 APPLICANT: Li, Li
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Mishra, Vishnu
 APPLICANT: Shenoy, Suresh G.
 APPLICANT: Rastelli, Luca
 APPLICANT: Tchernev, Velizar T.
 APPLICANT: Vernet, Corine A.M.
 APPLICANT: Zerhusen, Bryan D.
 APPLICANT: Malyankar, Uriel M.
 APPLICANT: Guo, Xiaoqia
 APPLICANT: Miller, Charles E.
 APPLICANT: Gangolli, Esha A.

TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: 21402-214 CIP
 CURRENT APPLICATION NUMBER: US/10/087,684
 CURRENT FILING DATE: 2003-03-10
 PRIOR APPLICATION NUMBER: 60/253,834
 PRIOR FILING DATE: 2000-11-29
 PRIOR APPLICATION NUMBER: 60/250,926
 PRIOR FILING DATE: 2000-11-30
 PRIOR APPLICATION NUMBER: 60/264,180
 PRIOR FILING DATE: 2001-01-25
 PRIOR APPLICATION NUMBER: 60/274,194
 PRIOR FILING DATE: 2001-03-08
 PRIOR APPLICATION NUMBER: 60/313,656
 PRIOR FILING DATE: 2001-08-20
 PRIOR APPLICATION NUMBER: 60/327,456
 PRIOR FILING DATE: 2001-10-05
 NUMBER OF SEQ ID NOS: 220
 SOFTWARE: CuraSeqList version 0.1
 SEQ ID NO: 47
 LENGTH: 403
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-087-684-47

RESULT 35
 US-10-087-684-48
 ; Sequence 48, Application US/10087684
 ; Publication No. US20040029116A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Edinger, Shlomit R.
 ; APPLICANT: MacDougal, John R.
 ; APPLICANT: Millet, Isabelle
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Stone, David J.
 ; APPLICANT: Gross, William M.
 ; APPLICANT: Rieger, Daniel K.
 ; APPLICANT: Burgess, Cathereine E.
 ; APPLICANT: Casman, Stacie, J.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Boldog, Ferenc L.
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Mishra, Vishnu
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Vernet, Corine A.M.
 ; APPLICANT: Zerhusen, Bryan D.
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Guo, Xiaoqia
 ; APPLICANT: Miller, Charles E.
 ; APPLICANT: Gangolli, Esha A.
 ; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: 21402-214 CIP
 CURRENT APPLICATION NUMBER: US/10/087,684

```

; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 48
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-48

```

```

RESULT 36
US-10-087-684-49
; Sequence 49, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherineine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojaia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,190
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20

```

```

; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 49
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-49
Query Match 83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330
RESULT 37
US-10-087-684-50
; Sequence 50, Application US/10087684
; Publication No. US20040029116A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: MacDougall, John R.
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David J.
; APPLICANT: Grosse, William M.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherineine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Guo, Xiaojaia
; APPLICANT: Miller, Charles E.
; APPLICANT: Gangolli, Esha A.
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-214 CIP
; CURRENT APPLICATION NUMBER: US/10/087,684
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/274,194
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 50
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-684-50
Query Match 83.7%; Score 41; DB 12; Length 403;

```

Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 38
US-10-218-779-14
; Sequence 14, Application US/10218779
; Publication No. US20040029222A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit
; APPLICANT: MacDougal, John
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David
; APPLICANT: Gerlach, Valerie
; APPLICANT: Grosse, William
; APPLICANT: Alsobrook II, John
; APPLICANT: Lepley, Denise
; APPLICANT: Rieger, Daniel
; APPLICANT: Burgess, Catherine
; APPLICANT: Casman, Stacie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mishra, Vishnu
; APPLICANT: Patturajan, Meera
; APPLICANT: Shenoy, Suresh
; APPLICANT: Rastelli, Luca
; APPLICANT: Tchernev, Velizar
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Malyankar, Uriel
; APPLICANT: Guo, Xiaoqia
; APPLICANT: Miller, Charles
; APPLICANT: Gangolli, Esha
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-214
; CURRENT APPLICATION NUMBER: US/10/218,779
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 60/253,834
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/250,-926
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/264,180
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/313,656
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/327,456
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 216
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-218-779-47

Query Match 83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 40
US-10-218-779-48
; Sequence 48, Application US/10218779
; Publication No. US20040029222A1
; GENERAL INFORMATION:
; APPLICANT: Edinger, Shlomit
; APPLICANT: MacDougal, John
; APPLICANT: Millet, Isabelle
; APPLICANT: Ellerman, Karen
; APPLICANT: Stone, David
; APPLICANT: Gerlach, Valerie
; APPLICANT: Grosse, William

Query Match 83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

RESULT 39
US-10-218-779-47

APPLICANT: Alsobrook II, John
APPLICANT: Lepley, Denise
APPLICANT: Rieger, Daniel
APPLICANT: Burgess, Catherine
APPLICANT: Casman, Stacie
APPLICANT: Spytek, Kimberly
APPLICANT: Boldog, Ferenc
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Mishra, Vishnu
APPLICANT: Patturajan, Meera
APPLICANT: Shenoy, Suresh
APPLICANT: Rastelli, Luca
APPLICANT: Tchernev, Velizar
APPLICANT: Vernet, Corine
APPLICANT: Zerhusen, Bryan
APPLICANT: Malyankar, Uriel
APPLICANT: Guo, Xiaojaia
APPLICANT: Miller, Charles
APPLICANT: Gangolli, Esha
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-214
CURRENT APPLICATION NUMBER: US/10/218,779
CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: 60/253,834
PRIOR FILING DATE: 2000-11-29
PRIOR APPLICATION NUMBER: 60/250, -926
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/264,180
PRIOR FILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 60/313,656
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/327,456
PRIOR FILING DATE: 2001-10-05
NUMBER OF SEQ ID NOS: 216
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 48
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-10-218-779-48

Query Match 83.7%; Score 41; DB 12; Length 403;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 2 LLGKPPFE 9
Db 323 LVGKPPFE 330

Search completed: June 9, 2004, 11:22:06
Job time : 36.1957 secs

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model
 Run on: June 9, 2004, 10:56:30 ; Search time 12.3261 Seconds
 (without alignments)
 37.695 Million cell updates/sec

Title: US-09-736-076-18
 Perfect score: 49
 Sequence: 1 LGRPPFET 9
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5
 Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database :

Issued Patents AA:
 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:
 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:
 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:
 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:
 5: /cgn2_6/ptodata/2/iaa/PCUTS_COMB.pep:
 6: /cgn2_6/ptodata/2/iaa/backfles1.pep:
 *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	49	100.0	9	3	US-08-861-338-18		Sequence 18, Appl
2	49	100.0	11	3	US-08-861-338-19		Sequence 19, Appl
3	46	93.9	272	1	US-08-252-995D-12		Sequence 12, Appl
4	46	93.9	272	2	US-08-834-108-12		Sequence 1, Appl
5	46	93.9	685	2	US-08-878-989-1		Sequence 2, Appl
6	46	93.9	685	3	US-09-136-282-2		Sequence 1, Appl
7	46	93.9	685	3	US-09-272-796-1		Sequence 2, Appl
8	46	93.9	685	3	US-09-505-744-2		Sequence 6, Appl
9	43	87.8	20	3	US-08-861-338-6		Sequence 14, Appl
10	43	87.8	272	1	US-08-252-995D-14		Sequence 14, Appl
11	43	87.8	272	2	US-08-834-108-14		Sequence 2, Appl
12	43	87.8	603	3	US-09-198-122-2		Sequence 26, Appl
13	43	87.8	603	4	US-09-311-311C-26		Sequence 15, Appl
14	40	81.6	9	3	US-08-861-338-15		Sequence 10, Appl
15	40	81.6	273	1	US-08-252-995D-10		Sequence 10, Appl
16	40	81.6	273	2	US-08-834-108-10		Sequence 4, Appl
17	40	81.6	416	1	US-08-252-995D-2		Sequence 2, Appl
18	40	81.6	416	2	US-08-834-108-2		Sequence 2, Appl
19	40	81.6	464	1	US-08-252-995D-6		Sequence 6, Appl
20	40	81.6	464	2	US-08-834-108-6		Sequence 6, Appl
21	40	81.6	925	1	US-08-252-995D-4		Sequence 4, Appl
22	40	81.6	925	2	US-08-834-108-4		Sequence 4, Appl
23	38	77.6	271	1	US-08-252-995D-11		Sequence 11, Appl
24	38	77.6	271	2	US-08-834-108-11		Sequence 11, Appl
25	37	75.5	9	3	US-08-861-338-17		Sequence 17, Appl
26	36	73.5	220	1	US-08-233-146-2		Sequence 2, Appl
27	36	73.5	220	1	US-08-463-470-2		Sequence 2, Appl

ALIGNMENTS

RESULT 1	US-08-861-338-18	;	Sequence 18, Application US/08861338
		;	Patent No. 6174993
GENERAL INFORMATION:			
APPLICANT: Ben-Sasson, Shmuel A.			
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES			
NUMBER OF SEQUENCES: 22			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.			
STREET: Two Militia Drive			
CITY: Lexington			
STATE: Massachusetts			
COUNTRY: USA			
ZIP: 02173			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: Patent In Release #1.0, Version #1.30			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/861,338			
FILING DATE: 21-MAY-1997			
CLASSIFICATION: 514			
ATTORNEY/AGENT INFORMATION:			
NAME: Brook, David E.			
REGISTRATION NUMBER: 22,592			
REFERENCE/DOCKET NUMBER: CMCC-590			
TELECOMMUNICATION INFORMATION:			
TELEPHONE: (781) 861-6240			
TELEFAX: (781) 861-9540			
INFORMATION FOR SEQ ID NO: 18:			
SEQUENCE CHARACTERISTICS:			
LENGTH: 9 amino acids			
TYPE: amino acid			
STRANDEDNESS: not relevant			
TOPOLOGY: not relevant			
MOLECULE TYPE: peptide			
FEATURE:			
NAME/KEY: Modified-site			
LOCATION: 1			
OTHER INFORMATION: /note= "N-Acetyl Leucine"			
FEATURE:			
NAME/KEY: Modified-site			
LOCATION: 7			
OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"			
FEATURE:			
NAME/KEY: Modified-site			
LOCATION: 9			

OTHER INFORMATION: /note= "Serine-NH2"

Query Match 100.0%; Score 49; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 1 LGRPPFETS 9

RESULT 2
US-08-861-338-19
; Sequence 19, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Millitia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/861,338
FILING DATE: 21-MAY-1997
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: CMCC-590
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781) 861-6240
TELEFAX: (781) 861-9540

INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /note= "N-Acetyl Methionine"

FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"

FEATURE:
NAME/KEY: Modified-site
LOCATION: 11
OTHER INFORMATION: /note= "Serine-NH2"

US-08-861-338-19
Query Match 100.0%; Score 49; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 3 LGRPPFETS 11

RESULT 3
US-08-252-995D-12
; Sequence 12, Application US/08252995D
; Patent No. 5650501
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/252,995D
FILING DATE: 02-JUN-1994
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Kurdydyk, Linda M.
REGISTRATION NUMBER: 34,971
REFERENCE/DOCKET NUMBER: 3153-96
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 272 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Mus musculus

US-08-252-995D-12
Query Match 93.9%; Score 46; DB 1; Length 272;
Best Local Similarity 88.9%; Pred. No. 0.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 201 LGRPPFET 209

RESULT 4
US-08-834-108-12
; Sequence 12, Application US/08834108
; Patent No. 5976893
; GENERAL INFORMATION:
; APPLICANT: Dennis, James W
; APPLICANT: Heffernan, Mike
; APPLICANT: Fode, Carol
; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 STRANDEDNESS: single
 TYPE: amino acid
 Qy 1 LGRPPFETS 9
 Db 201 LGRPPFETT 209
 RESULT 5
 US-08-878-989-1
 Sequence 1, Application US/08878989
 Patent No. 5885803
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 TITLE OF INVENTION: KINASES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/878,989
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700
 TELEX: 846169
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 STRANDEDNESS: single
 TYPE: amino acid
 TOPLOGY: linear
 MOLECULE TYPE: protein
 US-09-136-282-2

TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPLOGY: Linear
 IMMEDIATE SOURCE:
 LIBRARY: HUVENOB01
 CLONE: 39043
 US-08-878-989-1
 Query Match 93.9%; Score 46; DB 2; Length 685;
 Best Local Similarity 88.9%; Pred. No. 1.1;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 LGRPPFETS 9
 Db 275 LGRPPFETT 283
 RESULT 6
 US-09-136-282-2
 Sequence 2, Application US/09136282
 Patent No. 6063609
 GENERAL INFORMATION:
 APPLICANT: ANDERSON, KAREN
 APPLICANT: JACKSON, JEFFREY
 APPLICANT: HANSBURY, MICHAEL
 APPLICANT: NERURKAR, SANDHYA
 APPLICANT: ROSHAK, AMY
 APPLICANT: BOUZYK, MARK
 TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ratner & Prestia
 STREET: P.O. Box 980
 CITY: Valley Forge
 STATE: PA
 COUNTRY: USA
 ZIP: 19482
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/136,282
 FILING DATE: 20-AUG-1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700
 TELEX: 846169
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 STRANDEDNESS: single
 TYPE: amino acid
 TOPLOGY: linear
 MOLECULE TYPE: protein
 US-09-136-282-2

Query Match 93.9%; Score 46; DB 3; Length 685;

Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
Db 275 LGRPPFETT 283

RESULT 7
US-09-272-796-1
; Sequence 1, Application US/09272796
; Patent No. 6207148
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; APPLICANT: Lal, Preeti
; APPLICANT: Goii, Surya K.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/272,796

FILING DATE:

CLASSIFICATION:
PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/878,989

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J J

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0321 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 685 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: HUVENOB01

CLONE: 39043

US-09-272-796-1

Query Match 93.9%; Score 46; DB 3; Length 685;
Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
Db 275 LGRPPFETT 283

RESULT 8
US-09-505-744-2
; Sequence 2, Application US/09505744

; Patent No. 6245544
; GENERAL INFORMATION:
; APPLICANT: Karen M. Anderson
; APPLICANT: Mark M. Bouzyk
; APPLICANT: Michael J. Hansbury
; APPLICANT: Jeffrey R. Jackson
; APPLICANT: Sandhya S. Nerurkar
; APPLICANT: Amy K. Roshak
; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
; FILE REFERENCE: GH-70231-D1
; CURRENT APPLICATION NUMBER: US/09/505,744
; CURRENT FILING DATE: 2000-02-16
; EARLIER APPLICATION NUMBER: 09/136,282
; EARLIER FILING DATE: 1998-08-20
; EARLIER APPLICATION NUMBER: 60/056,112
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 685
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
; US-09-505-744-2
Query Match 93.9%; Score 46; DB 3; Length 685;
Best Local Similarity 88.9%; Pred. No. 1.1;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 LGRPPFETS 9
Db 275 LGRPPFETT 283
RESULT 9
US-08-861-338-6
; Sequence 6, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; US-08-861-338-6

Query Match 87.8%; Score 43; DB 3; Length 20;
 Best Local Similarity 77.8%; Pred. No. 0.097;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 LGRPPFETS 9
 Db 5 VGKPPFETS 13

RESULT 10
 US-08-252-995D-14
 ; Sequence 14, Application US/08252995D

; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; REFERENCE/DOCKET NUMBER: 3153-96
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 272 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE: ORGANISM: Mus musculus
 ; US-08-252-995D-14

Query Match 87.8%; Score 43; DB 2; Length 272;
 Best Local Similarity 77.8%; Pred. No. 1.5;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 201 VGKPPFETS 209

RESULT 12
 US-09-198-122-2
 ; Sequence 2, Application US/09198122
 ; Patent No. 6180380
 ; GENERAL INFORMATION:
 ; APPLICANT: Strebhardt, Klaus; Rubsamen-Waigmann, Helga;
 ; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
 ; TITLE OF INVENTION: THREONINE-KINASE FAMILY
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 ; STREET: 660 White Plains Road
 ; CITY: Tarrytown
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10591-5144
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 ; COMPUTER: NEC Powermate SX-20
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: WordPerfect 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/198, 122
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/601, 014
 ; FILING DATE: 23-FEB-1996

Query Match 87.8%; Score 43; DB 1; Length 272;
 Best Local Similarity 77.8%; Pred. No. 1.5;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 201 VGKPPFETS 209

RESULT 11
 US-08-834-108-14
 ; Sequence 14, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834, 108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 272 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE: ORGANISM: Mus musculus
 ; US-08-834-108-14

APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141
 REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX:
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 603 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-09-198-122-2

Query Match 87.8%; Score 43; DB 3; Length 603;
 Best Local Similarity 77.8%; Pred. No. 3.4;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 13
 US-09-311-311C-26
 ; Sequence 26, Application US/09311311C
 ; Patent No. 6358738
 ; GENERAL INFORMATION:
 ; APPLICANT: Eriksen, et al.
 ; TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
 ; METHODS, AND USES THEREFOR
 ; FILE REFERENCE: 1874/117
 ; CURRENT APPLICATION NUMBER: US/09/311,311C
 ; CURRENT FILING DATE: 1999-05-13
 ; PRIOR APPLICATION NUMBER: US 60/085,296
 ; PRIOR FILING DATE: 1998-05-13
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 603
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) ..: (603)
 ; OTHER INFORMATION: Plk protein
 US-09-311-311C-26

Query Match 87.8%; Score 43; DB 4; Length 603;
 Best Local Similarity 77.8%; Pred. No. 3.4;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 14
 US-08-861-338-15
 ; Sequence 15, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 9 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Gamma Benzyl Ester of
 Glutamic Acid-NH2"
 US-08-861-338-15
 Query Match 81.6%; Score 40; DB 3; Length 9;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 LGRPPFEE 7
 Db 3 LGRPPFEE 9

RESULT 15
 US-08-252-995D-10
 ; Sequence 10, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdyuk, Linda M
 REGISTRATION NUMBER: 34,971
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 1.0:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 273 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-252-995D-10

Query Match 81.6%; Score 40; DB 2; Length 273;
 Best Local Similarity 75.0%; Pred. No. 5.4;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db :|||:|||:
 202 IGRPPFDT 209

RESULT 17
 US-08-252-995D-2
 Sequence 2, Application US/08252995D
 Patent No. 5650501
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdyuk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-2

Query Match 81.6%; Score 40; DB 1; Length 416;
 Best Local Similarity 75.0%; Pred. No. 8.3;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db :|||:|||:
 206 IGRPPFDT 213

RESULT 18
 US-08-834-108-2
 Sequence 2, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West

CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/08/834,108
 APPLICATION NUMBER: US/08/834,108
 FILING DATE: 536
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-2

Query Match 81.6%; Score 40; DB 2; Length 416;
 Best Local Similarity 75.0%; Pred. No. 8.3;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db 206 IGRPPFDT 213

RESULT 20
 US-08-834-108-6
 ; Sequence 6, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-834-108-6

Query Match 81.6%; Score 40; DB 2; Length 464;
 Best Local Similarity 75.0%; Pred. No. 9.3;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db 206 IGRPPFDT 213

RESULT 21
 US-08-252-995D-4
 ; Sequence 4, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids

NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252, 995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34, 971
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 925 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-4

Query Match 81.6%; Score 40; DB 1; Length 925;
 Best Local Similarity 75.0%; Pred. No. 19;
 Matches 6; Conservative 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 :|||||:
 Db 206 IGRPPFDT 213

RESULT 22
 US-08-834-108-4
 ; Sequence 4, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 77.6%; Score 38; DB 1; Length 271;
 Best Local Similarity 75.0%; Pred. No. 13;
 Matches 6; Conservative 2; Indels 0; Gaps 0;
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; APPLICATION NUMBER: US/08/834, 108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; RESULT 24
 ; US-08-834-108-11

Query Match 81.6%; Score 40; DB 2; Length 925;
 Best Local Similarity 75.0%; Pred. No. 19;
 Matches 6; Conservative 0; Indels 0; Gaps 0;
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 5650501
 ; TELECOMMUNICATION INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 81.6%; Score 40; DB 2; Length 925;
 Best Local Similarity 75.0%; Pred. No. 19;
 Matches 6; Conservative 0; Indels 0; Gaps 0;
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 5650501
 ; TELECOMMUNICATION INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 81.6%; Score 40; DB 2; Length 925;
 Best Local Similarity 75.0%; Pred. No. 19;
 Matches 6; Conservative 0; Indels 0; Gaps 0;
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 5650501
 ; TELECOMMUNICATION INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 81.6%; Score 40; DB 2; Length 925;
 Best Local Similarity 75.0%; Pred. No. 19;
 Matches 6; Conservative 0; Indels 0; Gaps 0;
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 5650501
 ; TELECOMMUNICATION INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252, 995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34, 971
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Sequence 11, Application US/08834108
 Patent No. 5976893
 GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 271 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Drosophila melanogaster
 US-08-834-108-11

Query Match 77.6%; Score 38; DB 2; Length 271;
 Best Local Similarity 75.0%; Pred. No. 13;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPET 8
 Db 200 VGQPPET 207

RESULT 25
 US-08-861-338-17
 Sequence 17, Application US/08861338
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 9 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Gamma Benzyl Ester of
 OTHER INFORMATION: Glutamine Acid-NH2"
 US-08-861-338-17

Query Match 75.5%; Score 37; DB 3; Length 9;
 Best Local Similarity 85.7%; Pred. No. 3e+05;
 Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFE 7
 Db 3 LGKPPFE 9

RESULT 26
 US-08-233-146-2
 Sequence 2, Application US/08233146
 Patent No. 5648256
 GENERAL INFORMATION:
 APPLICANT: BEPPU, TERUHIKO
 APPLICANT: YAMADA, HIDEAKI
 APPLICANT: NAGASAWA, TORU
 APPLICANT: HORINOUCHI, SUEHARU
 APPLICANT: NISHIYAMA, MAKOTO
 TITLE OF INVENTION: A GENE ENCODING A POLYPEPTIDE HAVING
 NITRILE HYDRATASE ACTIVITY, A TRANSFORMANT CONTAINING THE
 TITLE OF INVENTION: GENE AND A PROCESS FOR THE PRODUCTION OF AMIDES USING THE
 TITLE OF INVENTION: TRANSFORMANT
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PENNIE & EDMONDS
 STREET: 1155 AVENUE OF THE AMERICAS
 CITY: NEW YORK
 STATE: N.Y.
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/233,146
 FILING DATE: 22-APR-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/694,746
 FILING DATE: 02-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: MISROCK, S. LESLIE

REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 7005-024-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 220 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: *Pseudomonas chlororaphis*
 STRAIN: B23 (FERM BP-187)
 US-08-463-470-2

Query Match 73.5%; Score 36; DB 1; Length 220;
 Best Local Similarity 100.0%; Pred. No. 24;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPFE 7
 Db 120 GRPPFE 125

RESULT 28
 US-08-878-989-15
 Sequence 15, Application US/08878989
 Patent No. 5885803

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/878,989
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 435
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 607 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 1827450
 US-08-878-989-15

Query Match 73.5%; Score 36; DB 2; Length 607;
 Best Local Similarity 75.0%; Pred. No. 69;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 7005-024-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 220 amino acids
 TYPE: amino acid

RESULT 29
 US-09-272-796-15
 / Sequence 15, Application US/09272796
 / Patent No. 6207148
 / GENERAL INFORMATION:
 / / APPLICANT: Bandman, Olga
 / / APPLICANT: Hillman, Jennifer L.
 / / APPLICANT: Corley, Neil C.
 / / APPLICANT: Guegler, Karl G.
 / / APPLICANT: Lal, Preeti
 / / APPLICANT: Goli, Surya K.
 / / APPLICANT: Shah, Purvi
 / / TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 / / TITLE OF INVENTION: KINASES
 / / NUMBER OF SEQUENCES: 21
 / / CORRESPONDENCE ADDRESS:
 / / ADDRESSEE: Incyte Pharmaceuticals, Inc.
 / / STREET: 3174 Porter Drive
 / / CITY: Palo Alto
 / / STATE: CA
 / / COUNTRY: USA
 / / ZIP: 94304
 / / COMPUTER READABLE FORM:
 / / MEDIUM TYPE: Diskette
 / / COMPUTER: IBM Compatible
 / / OPERATING SYSTEM: DOS
 / / SOFTWARE: FastSEQ for Windows Version 2.0
 / / CURRENT APPLICATION DATA:
 / / APPLICATION NUMBER: US/09/272,796
 / / FILING DATE:
 / / CLASSIFICATION:
 / / PRIOR APPLICATION DATA:
 / / APPLICATION NUMBER: 08/878,989
 / / FILING DATE:
 / / ATTORNEY/AGENT INFORMATION:
 / / NAME: Billings, Lucy J J
 / / REGISTRATION NUMBER: 36,749
 / / REFERENCE/DOCKET NUMBER: PF-0321 US
 / / CURRENT COMMUNICATION INFORMATION:
 / / TELEPHONE: 415-855-0555
 / / TELEFAX: 415-845-4166
 / / TELEX:
 / / INFORMATION FOR SEQ ID NO: 15:
 / / SEQUENCE CHARACTERISTICS:
 / / LENGTH: 607 amino acids
 / / TYPE: amino acid
 / / STRANDEDNESS: single
 / / TOPOLOGY: linear
 / / IMMEDIATE SOURCE:
 / / LIBRARY: GenBank
 / / CLONE: 1827450
 / / US-09-272-796-15

Query Match 73.5%; Score 36; DB 3; Length 607;
 Best Local Similarity 75.0%; Pred. No. 69;
 Matches 6; Conservative 1; Missmatches 1; Indels 0; Gaps 0;

QY 2 GRPPFET 9
 Db 217 GSPPFETA 224

RESULT 30
 US-09-437-568A-48
 / Sequence 48, Application US/09437568A
 / Patent No. 6620603
 / GENERAL INFORMATION:
 / / APPLICANT: Lambeth, J. David
 / / APPLICANT: Griendling, Kathy
 / / APPLICANT: Lassegue, Bernard
 / / APPLICANT: Arnold, Rebecca S.
 / / APPLICANT: Cheng, Guangjie
 / / TITLE OF INVENTION: No. 6620603el Mitogenic Regulators
 / / FILE REFERENCE: 05501-0103
 / / CURRENT APPLICATION NUMBER: US/09/437,568A
 / / CURRENT FILING DATE: 1999-11-10
 / / NUMBER OF SEQ ID NOS: 61
 / / SOFTWARE: PatentIn Ver. 2.0
 / / SEQ ID NO 48
 / / LENGTH: 899
 / / TYPE: PRT
 / / ORGANISM: Homo sapiens
 / / US-09-437-568A-48

Query Match 73.5%; Score 36; DB 4; Length 899;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 6; Conservative 0; Missmatches 0; Indels 0; Gaps 0;

QY 2 GRPPFET 7
 Db 842 GRPPFET 847

RESULT 31
 US-09-437-568A-46
 / Sequence 46, Application US/09437568A
 / Patent No. 6620603
 / GENERAL INFORMATION:
 / / APPLICANT: Lambeth, J. David
 / / APPLICANT: Griendling, Kathy
 / / APPLICANT: Lassegue, Bernard
 / / APPLICANT: Arnold, Rebecca S.
 / / APPLICANT: Cheng, Guangjie
 / / TITLE OF INVENTION: No. 6620603el Mitogenic Regulators
 / / FILE REFERENCE: 05501-0103
 / / CURRENT APPLICATION NUMBER: US/09/437,568A
 / / CURRENT FILING DATE: 1999-11-10
 / / NUMBER OF SEQ ID NOS: 61
 / / SOFTWARE: PatentIn Ver. 2.0
 / / SEQ ID NO 46
 / / LENGTH: 1551
 / / TYPE: PRT
 / / ORGANISM: Homo sapiens
 / / US-09-437-568A-46

Query Match 73.5%; Score 36; DB 4; Length 1551;
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 6; Conservative 0; Missmatches 0; Indels 0; Gaps 0;

QY 2 GRPPFET 7
 Db 1494 GRPPFET 1499

RESULT 32
 US-09-134-001C-3742
 / Sequence 3742, Application US/09134001C
 / Patent No. 6380370
 / GENERAL INFORMATION:
 / / APPLICANT: Lynn Doucette-Stamm et al
 / / TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 / / TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
 / / FILE REFERENCE: GTC-007
 / / CURRENT APPLICATION NUMBER: US/09/134,001C
 / / CURRENT FILING DATE: 1998-08-13
 / / PRIOR APPLICATION NUMBER: US 60/064,964
 / / PRIOR FILING DATE: 1997-11-08
 / / PRIOR APPLICATION NUMBER: US 60/055,779
 / / PRIOR FILING DATE: 1997-08-14
 / / NUMBER OF SEQ ID NOS: 5674

Query Match 71.4%; Score 35; DB 4; Length 182;
 Best Local Similarity 100.0%; Pred. No. 30;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPF 6
 Db 177 LGRPPF 182

RESULT 33
 US-08-755-728-4
 ; Sequence 4, Application US/08755728
 ; Patent No. 5962312
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: Storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/974,655
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/755,728
 ; FILING DATE: No. 5972676ember 25, 1996
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 223/113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 403 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-08-974-655-4

Query Match 71.4%; Score 35; DB 2; Length 403;
 Best Local Similarity 55.6%; Pred. No. 70;
 Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
 Db 324 VGKPPFEAN 332

RESULT 34
 US-08-974-655-4
 ; Sequence 4, Application US/08974655
 ; Patent No. 5972676
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: Storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/974,655
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/755,728
 ; FILING DATE: No. 5972676ember 25, 1996
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 223/113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 403 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-08-974-655-4

Query Match 71.4%; Score 35; DB 2; Length 403;
 Best Local Similarity 55.6%; Pred. No. 70;
 Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
 Db 324 VGKPPFEAN 332

RESULT 35
 US-09-283-011-4
 ; Sequence 4, Application US/09283011
 ; Patent No. 6207401
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 NUMBER OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FASTSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135
 FILING DATE: January 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO. 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

US-09-283-011-4

RESULT 36
 US-09-134-001C-5260
 ; Sequence 5260, Application US/09134001C
 ; Patent No. 63,80370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055,779
 ; PRIOR FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 5260
 ; LENGTH: 226
 ; TYPE: PRT
 ; ORGANISM: *Staphylococcus epidermidis*
 ; US-09-134-001C-5260
 Query Match 69.4%; Score 34; DB 4; Length 226;
 Best Local Similarity 75.0%; Pred. No. 59;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 LGRPPFET 8
 Db 54 LGNPPFAT 61
 RESULT 37
 US-09-252-991A-24255
 ; Sequence 24255, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 24255
 ; LENGTH: 254
 ; TYPE: PRT
 ; ORGANISM: *Pseudomonas aeruginosa*
 ; US-09-252-991A-24255
 Query Match 69.4%; Score 34; DB 4; Length 254;
 Best Local Similarity 85.7%; Pred. No. 66;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 LGRPPFE 7
 Db 34 LARPPFE 40
 RESULT 38
 US-08-755-728-3
 ; Sequence 3, Application US/08755728
 ; Patent No. 5962312
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/755,728

; FILING DATE: No. 5962312ember 25, 1996
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 223/113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 344 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-08-974-655-3

; Query Match 69.4%; Score 34; DB 2; Length 344;
 ; Best Local Similarity 55.6%; Pred. No. 91;
 ; Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db :|:|:|:|:
 268 VGNPPFESA 276

; RESULT 39
 ; US-08-974-655-3
 ; Sequence 3, Application US/08974655
 ; Patent No. 592676
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; ADDRESS: Lyon & Lyon
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; NUMBER OF SEQUENCES: 29
 ; APPLICANT: Mossie, Kevin
 ; ADDRESS: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/283,011
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/755,728
 ; FILING DATE: No. 5972676ember 25, 1996
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 231/282
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 344 amino acids

```
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-283-011-3

Query Match 69.4%; Score 34; DB 3; Length 344;
Best Local Similarity 55.6%; Pred. No. 91;
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
Qy      1 LGRPPPET 9
Db      :|||: 268 VGNPPPESA 276
```

search completed: June 9, 2004, 11:03:07
Job time : 13.3261 secs

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 9, 2004, 11:00:56 ; Search time 36.1957 Seconds
 (without alignments)
 69.954 Million cell updates/sec

Title: US-09-736-076-18
 Perfect score: 49
 Sequence: 1 LGRPPFET 9

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 1155919 seqs, 281338677 residues
 Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Published Applications AA:*

```

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/PUBCOMB.PEP:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	49	100.0	9	US-09-736-076-18	Sequence 18, Appl
2	49	100.0	11	US-09-736-076-19	Sequence 19, Appl
3	46	93.9	400	14	US-10-026-021-5
4	46	93.9	469	14	US-10-059-585-14
5	46	93.9	695	9	US-09-771-161A-249
6	46	93.9	685	9	US-09-771-161A-250
7	46	93.9	685	10	US-09-769-970-1
8	46	93.9	685	12	US-10-260-708-69
9	46	93.9	685	14	US-10-024-298A-101
10	46	93.9	685	14	US-10-042-211A-101
11	46	93.9	685	16	US-10-617-217A-101
12	46	93.9	753	15	US-10-264-049-3124
13	46	87.8	20	9	US-09-736-076-6
14	43	87.8	329	9	US-09-925-300-1268
15	43	87.8	329	9	US-09-925-300-1268

RESULT 2

Sequence 6, Appl
 Sequence 123, App
 Sequence 214, App
 Sequence 2, Appl
 Sequence 186, App
 Sequence 110, App
 Sequence 2279, App
 Sequence 37525, App
 Sequence 5956, App
 Sequence 15, Appl
 Sequence 57, Appl
 Sequence 3, Appl
 Sequence 37528, App
 Sequence 2, Appl
 Sequence 1916, App
 Sequence 17, Appl
 Sequence 149900, App
 Sequence 98, App
 Sequence 239090, App
 Sequence 1652, App
 Sequence 54433, App
 Sequence 852, App
 Sequence 4, Appl
 Sequence 14310, App
 Sequence 15, Appl
 Sequence 2, Appl
 Sequence 852, App
 Sequence 424-599-149900
 Sequence 12, US-10-424-599-239090
 Sequence 12, US-10-276-774-1652
 Sequence 10, US-09-769-970-15
 Sequence 41, US-10-108-580-2
 Sequence 42, US-10-204-041-16
 Sequence 43, US-10-318-906A-48
 Sequence 44, US-10-319-236A-48
 Sequence 45, US-09-922-217-692
 Sequence 692, App

ALIGNMENTS

RESULT 1
 US-09-736-076-18
 Sequence 18, Application US/09736076
 Patent No. US20020049301A1
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 FILE REFERENCE: 1242-1015-009
 CURRENT APPLICATION NUMBER: US/09-736, 076
 CURRENT FILING DATE: 2000-12-13
 PRIOR APPLICATION NUMBER: US 08/861,338
 PRIOR FILING DATE: 1997-05-21
 NUMBER OF SEQ ID NOS: 68
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 18
 LENGTH: 9
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: ACETYLATION
 LOCATION: (1) ... (0)
 OTHER INFORMATION: position 7 is benzylester
 NAME/KEY: AMIDATION
 LOCATION: (0) ... (9)
 OTHER INFORMATION: J45
 US-09-736-076-18

Query Match 100.0% ; Score 49; DB 9; Length 9;
 Best Local Similarity 100.0%; Pred. No. 1e+06; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFET 9
 Db 1 LGRPPFET 9

RESULT 3
 US-09-736-076-19 ; Sequence 19, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 19
 ; LENGTH: 11
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE: ACETYLATION
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) . . . (0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) . . . (11)
 ; OTHER INFORMATION: J46
 US-09-736-076-19

Query Match 100.0%; Score 49; DB 9; Length 11;
 Best Local Similarity 100.0%; Pred. No. 0.044;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 3 LGRPPFETS 11

RESULT 3
 US-10-026-021-5 ; Sequence 5, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE: DOMAIN
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) . . . (400)
 ; OTHER INFORMATION: human SNK mitotic kinase kinase domain
 US-10-026-021-5

Query Match 93.9%; Score 46; DB 14; Length 400;
 Best Local Similarity 88.9%; Pred. No. 5;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 275 LGRPPFETT 283

RESULT 4
 US-10-059-585-14 ; Sequence 14, Application US/10059585
 ; Publication No. US20030082776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ota, Toshio
 ; APPLICANT: Isogai, Takao
 ; APPLICANT: Nishikawa, Tetsuo
 ; APPLICANT: Hayashi, Koji
 ; APPLICANT: Otsuka, Kaoru
 ; APPLICANT: Yamamoto, Jun-ichi
 ; APPLICANT: Ishii, Shizuko
 ; APPLICANT: Sugiyama, Tomoyasu
 ; APPLICANT: Wakamatsu, Ai
 ; APPLICANT: Nagai, Keiichi
 ; APPLICANT: Otsuki, Tetsuji
 ; APPLICANT: Funahashi, Shin-Ichi
 ; APPLICANT: Senoo, Chiaki
 ; APPLICANT: Nezu, Jun-Ichi
 ; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
 ; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
 ; FILE REFERENCE: 06501-098001
 ; CURRENT APPLICATION NUMBER: US/10/059,585
 ; CURRENT FILING DATE: 2002-01-29
 ; PRIOR APPLICATION NUMBER: PCT/JP00/05060
 ; PRIOR FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: US 60/183,322
 ; PRIOR FILING DATE: 2000-02-17
 ; PRIOR APPLICATION NUMBER: US 60/159,590
 ; PRIOR FILING DATE: 1999-10-18
 ; PRIOR APPLICATION NUMBER: JP 2000-118776
 ; PRIOR FILING DATE: 2000-01-11
 ; PRIOR APPLICATION NUMBER: JP 2000-183767
 ; PRIOR FILING DATE: 2000-05-02
 ; PRIOR APPLICATION NUMBER: JP 11-248036
 ; PRIOR FILING DATE: 1999-07-29
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 14
 ; LENGTH: 469
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-059-585-14

Query Match 93.9%; Score 46; DB 14; Length 469;
 Best Local Similarity 88.9%; Pred. No. 5.8;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 59 LGRPPFETT 67

RESULT 5
 US-09-771-161A-249 ; Sequence 249, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 249
 ; LENGTH: 685

TYPE: PRT ; ORGANISM: Homo sapiens US-09-771-161A-249

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 6

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-09-771-161A-250 ; Sequence 250, Application US/09771161A ; Patent No. US20020110811A1 ; GENERAL INFORMATION: ; APPLICANT: LEVINE, et al. ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES ; FILE REFERENCE: 802620-2005.1 ; CURRENT APPLICATION NUMBER: US/09/771,161A ; CURRENT FILING DATE: 2001-01-26 ; PRIOR APPLICATION NUMBER: 09/724,676 ; PRIOR FILING DATE: 2000-11-28 ; PRIOR APPLICATION NUMBER: 136776 ; PRIOR FILING DATE: 2000-06-15 ; PRIOR APPLICATION NUMBER: 135619 ; PRIOR FILING DATE: 2000-04-12 ; NUMBER OF SEQ ID NOS: 273 ; SOFTWARE: PatentIn version 3.0 ; SEQ ID NO 250 ; LENGTH: 685 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-771-161A-250

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 7

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-09-771-161A-251 ; Sequence 251, Application US/09771161A ; Patent No. US20020110811A1 ; GENERAL INFORMATION: ; APPLICANT: LEVINE, et al. ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES ; FILE REFERENCE: 802620-2005.1 ; CURRENT APPLICATION NUMBER: US/09/771,161A ; CURRENT FILING DATE: 2001-01-26 ; PRIOR APPLICATION NUMBER: 09/724,676 ; PRIOR FILING DATE: 2000-11-28 ; PRIOR APPLICATION NUMBER: 136776 ; PRIOR FILING DATE: 2000-06-15 ; PRIOR APPLICATION NUMBER: 135619 ; PRIOR FILING DATE: 2000-04-12 ; NUMBER OF SEQ ID NOS: 273 ; SOFTWARE: PatentIn version 3.0 ; SEQ ID NO 251 ; LENGTH: 685 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-771-161A-251

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 8

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-09-769-970-1 ; Sequence 1, Application US/09769970 ; Publication No. US20030170219A1 ; GENERAL INFORMATION: ; APPLICANT: Bandman, Olga Hillman, Jennifer L. Corley, Neil C. Guegler, Karl G. Lal, Preeti Goli, Surya K. Shah, Purvi ; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES ; NUMBER OF SEQUENCES: 21 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Incyte Pharmaceuticals, Inc. ; STREET: 3174 Porter Drive ; CITY: Palo Alto ; STATE: CA ; COUNTRY: USA ; ZIP: 94304 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Diskette ; COMPUTER: IBM Compatible ; OPERATING SYSTEM: DOS ; SOFTWARE: FastSEQ for Windows Version 2.0 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/09/769,970 ; FILING DATE: 24-Jan-2001 ; CLASSIFICATION: <Unknown> ; PRIORITY APPLICATION DATA: ; APPLICATION NUMBER: 09/272,796 ; FILING DATE: <Unknown> ; ATTORNEY/AGENT INFORMATION: ; NAME: Billings, Lucy J J ; REGISTRATION NUMBER: 36,749 ; REFERENCE/DOCKET NUMBER: PF-0321 US ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: 415-855-0555 ; TELEFAX: 415-845-4166 ; TELEX: <Unknown> ; INFORMATION FOR SEQ ID NO: 1: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 685 amino acids ; TYPE: amino acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; IMMEDIATE SOURCE: ; LIBRARY: HUVENOB01 ; CLONE: 39043 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1: US-09-769-970-1

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 9

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-10-260-708-69 ; Sequence 69, Application US/10260708 ; Publication No. US20040063101A1

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 9

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-09-771-161A-251 ; Sequence 251, Application US/09771161A ; Patent No. US20020110811A1 ; GENERAL INFORMATION: ; APPLICANT: LEVINE, et al. ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES ; FILE REFERENCE: 802620-2005.1 ; CURRENT APPLICATION NUMBER: US/09/771,161A ; CURRENT FILING DATE: 2001-01-26 ; PRIOR APPLICATION NUMBER: 09/724,676 ; PRIOR FILING DATE: 2000-11-28 ; PRIOR APPLICATION NUMBER: 136776 ; PRIOR FILING DATE: 2000-06-15 ; PRIOR APPLICATION NUMBER: 135619 ; PRIOR FILING DATE: 2000-04-12 ; NUMBER OF SEQ ID NOS: 273 ; SOFTWARE: PatentIn version 3.0 ; SEQ ID NO 251 ; LENGTH: 685 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-771-161A-251

Query Match 1 LGRPPFETS 9 ; Best Local Similarity 88.9%; Pred. No. 8.4; Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0; RESULT 9

Qy 1 LGRPPFETS 9 ; Db 275 LGRPPFETT 283

US-10-260-708-69 ; Sequence 69, Application US/10260708 ; Publication No. US20040063101A1

GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Lee, Sang-Yull
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
; FILE REFERENCE: L00461/70138
; CURRENT APPLICATION NUMBER: US/10/260,708
; CURRENT FILING DATE: 2002-09-30
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 69
; LENGTH: 685
; TYPE: PRT
; ORGANISM: homo sapiens
; US-10-260-708-69

Query Match 93.9%; Score 46; DB 12; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4%;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
Db 275 LGRPPFET 283

RESULT 10
US-10-024-298A-101
; Sequence 101, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
; APPLICANT: Akio MATSUDA
; APPLICANT: Goichi HONDA
; APPLICANT: Shuji MURAMATSU
; APPLICANT: Yukiko NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-024-298A-101

Query Match 93.9%; Score 46; DB 14; Length 685;
Best Local Similarity 88.9%; Pred. No. 8.4%;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
Db 275 LGRPPFET 283

RESULT 11
US-10-042-211A-101
; Sequence 101, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:

RESULT 13
 US-10-264-049-3124
 ; Sequence 3124, Application US/10264049
 ; Publication No. US20040005579A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Birse et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIORITY APPLICATION NUMBER: PCT/US00/05988
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 3124
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (3)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (59)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (307)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (308)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (314)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (317)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (323)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (327)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (328)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (329)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; US-10-264-049-3124

Query Match 93.9%; Score 46; DB 15; Length 753;
 Best Local Similarity 88.9%; Pred. No. 9.2;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
 Db 343 LGRPPFETT 351

RESULT 14
 US-09-736-076-6
 ; Sequence 6, Application US/09736076
 ; Patent No. US20020049301A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242.1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: POLO
 ; US-09-736-076-6

Query Match 87.8%; Score 43; DB 9; Length 20;
 Best Local Similarity 77.8%; Pred. No. 0.91;
 Matches 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
 Db 5 VGKPPFET 13

RESULT 15
 US-09-925-300-1268
 ; Sequence 1268, Application US/09925300
 ; Patent No. US2002015168A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Craig Rosen,

APPLICANT: Steve Ruben
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA101
 ; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIORITY APPLICATION NUMBER: PCT/US00/05988
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1268
 ; LENGTH: 329
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (3)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (59)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (307)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (308)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (314)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (317)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (323)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (327)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (328)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; NAME/KEY: SITE
 ; LOCATION: (329)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; US-09-925-300-1268

Query Match 87.8%; Score 43; DB 9; Length 329;
 Best Local Similarity 77.8%; Pred. No. 14;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 9
 Db 262 VGKPPFET 270

RESULT 16
 US-10-026-021-6
 ; Sequence 6, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01

; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 367
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1)..(367)
 ; OTHER INFORMATION: human PLK1 mitotic kinase domain
 US-10-026-021-6

Query Match 87.8%; Score 43; DB 9; Length 367;
 Best Local Similarity 77.8%; Pred. No. 15;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 17
 US-09-771-161A-123
 ; Sequence 123, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 1367776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 123
 ; LENGTH: 516
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-123

Query Match 87.8%; Score 43; DB 9; Length 516;
 Best Local Similarity 77.8%; Pred. No. 22;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
 Db 159 VGKPPFETS 167

RESULT 18
 US-09-771-161A-214
 ; Sequence 214, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005.1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 1367776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 214

Query Match 87.8%; Score 43; DB 12; Length 603;
 Best Local Similarity 77.8%; Pred. No. 25;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 19
 US-10-406-901-2
 ; Sequence 2, Application US/10406901
 ; Publication No. US20040033578A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Strehardt, Klaus; Rubsam-Waigmann, Helga;
 ; Holtrich, Uwe
 ; TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-THREONINE-KINASE FAMILY
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 ; STREET: 660 White Plains Road
 ; CITY: Tarrytown
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10591-5144
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 ; storage
 ; COMPUTER: NEC Powermate SX-20
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: WordPerfect 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/406,901
 ; FILING DATE: 03-Apr-2003
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/634,443
 ; FILING DATE: 08-Aug-2000
 ; APPLICATION NUMBER: US/08/601,014
 ; FILING DATE: 23-FEB-1996
 ; APPLICATION NUMBER: PCT/EP94/028863
 ; FILING DATE: 30-AUG-1994
 ; APPLICATION NUMBER: DE 4329177
 ; FILING DATE: 30-AUG-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurt G. Briscoe
 ; REGISTRATION NUMBER: 33,141
 ; REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (914) 332-1700
 ; TELEFAX: (914) 332-1844
 ; TELEX: <Unknown>
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 603 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-406-901-2

RESULT 20 US-10-171-311-186
i Sequence 186, Application US/10171311
i Publication No. US20030087270A1
i GENERAL INFORMATION:
i APPLICANT: Schlegel, Robert
i APPLICANT: Chen, Yan
i APPLICANT: Zhao, Xumei
i APPLICANT: Monahan, John
i APPLICANT: Kamatkar, Shubhangi
i APPLICANT: Glatt, Karen
i APPLICANT: Gannavarapu, Manjula
i APPLICANT: Hoersh, Sebastian
i TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER
i FILE REFERENCE: MRI-035
i CURRENT APPLICATION NUMBER: US/10/171,311
i CURRENT FILING DATE: 2002-06-12
i PRIOR APPLICATION NUMBER: US 60/298,159
i PRIOR FILING DATE: 2001-06-13
i PRIOR APPLICATION NUMBER: US 60/298,155
i PRIOR FILING DATE: 2001-06-13
i PRIOR APPLICATION NUMBER: US 60/335,936
i PRIOR FILING DATE: 2001-11-14
i NUMBER OF SEQ ID NOS: 238
i SOFTWARE: FastSEQ for Windows Version 4.0
i SEQ ID NO 186
i LENGTH: 603
i TYPE: PRT
i ORGANISM: Homo sapiens
i US-10-171-311-186

Query Match 87.8%; Score 43; DB 14; Length 603;
 Best Local Similarity 77.8%; Pred. No. 25;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 21 US-10-188-832-110
i Sequence 110, Application US/10188832
i Publication No. US20040076955A1
i GENERAL INFORMATION:
i APPLICANT: Mack, David H.
i APPLICANT: Aziz, Natasha
i APPLICANT: Eos Biotechnology, Inc.
i TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder
i TITLE OF INVENTION: Cancer
i FILE REFERENCE: 018501-002330US
i CURRENT APPLICATION NUMBER: US/10/188,832
i CURRENT FILING DATE: 2002-11-22
i PRIOR APPLICATION NUMBER: US 60/302,814
i PRIOR FILING DATE: 2001-07-03
i PRIOR APPLICATION NUMBER: US 60/310,099
i PRIOR FILING DATE: 2001-08-03
i PRIOR APPLICATION NUMBER: US 60/343,705
i PRIOR FILING DATE: 2001-11-08
i PRIOR APPLICATION NUMBER: US 60/350,666
i PRIOR FILING DATE: 2001-11-13
i PRIOR APPLICATION NUMBER: US 60/372,246
i NUMBER OF SEQ ID NOS: 207
i SOFTWARE: PatentIn Ver. 2.1
i SEQ ID NO 110
i LENGTH: 603

Query Match 87.8%; Score 43; DB 12; Length 629;
 Best Local Similarity 77.8%; Pred. No. 25;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 22 US-10-408-765A-2279
i Sequence 2279, Application US/10408765A
i Publication No. US20040101874A1
i GENERAL INFORMATION:
i APPLICANT: Ghosh, Soumitra S.
i APPLICANT: Fahy, Boin D.
i APPLICANT: Zhang, Bing
i APPLICANT: Gibson, Bradford W.
i APPLICANT: Taylor, Steven W.
i APPLICANT: Glenn, Gary M.
i APPLICANT: Warnock, Dale E.
i TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
i FILE REFERENCE: 660088-465
i CURRENT APPLICATION NUMBER: US/10/408,765A
i CURRENT FILING DATE: 2003-04-04
i NUMBER OF SEQ ID NOS: 3077
i SEQ ID NO 2279
i LENGTH: 603
i TYPE: PRT
i ORGANISM: Homo sapiens
i US-10-408-765A-2279

Query Match 87.8%; Score 43; DB 16; Length 603;
 Best Local Similarity 77.8%; Pred. No. 25;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFETS 9
 Db 246 VGKPPFETS 254

RESULT 23 US-10-425-114-37525
i Sequence 37525, Application US/10425114
i Publication No. US20040034888A1
i GENERAL INFORMATION:
i APPLICANT: Liu, Jingdong
i APPLICANT: Zhou, Yihua
i APPLICANT: Kovalic, David K.
i APPLICANT: Screen, Steven E.
i APPLICANT: Tabaska, Jack E
i APPLICANT: Cao, Yongwei
i TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
i TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
i FILE REFERENCE: 38-21(53313)B
i CURRENT APPLICATION NUMBER: US/10/425,114
i CURRENT FILING DATE: 2003-04-28
i NUMBER OF SEQ ID NOS: 73128
i SEQ ID NO 37525
i LENGTH: 629
i TYPE: PRT
i ORGANISM: Homo sapiens
i FEATURE:
i OTHER INFORMATION: Clone ID: LIB4119-067-D3_FLI.pep
i US-10-425-114-37525

Query Match 87.8%; Score 43; DB 12; Length 629;

Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 272 VGKPPFETS 280

RESULT 24
US-10-369-493-5956
; Sequence 5956, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5956
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-10-369-493-5956

Query Match 83.7%; Score 41; DB 15; Length 521;
Best Local Similarity 77.8%; Pred. No. 49;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 LGRPPFETS 9
Db 403 LGRPPFQAS 411

RESULT 25
US-09-736-076-15
; Sequence 15, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) .. (0)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0) .. (9)
; OTHER INFORMATION: J42
; US-09-736-076-15

Query Match 81.6%; Score 40; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 26
US-09-736-076-57
; Sequence 57, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 57
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MYRISTATE
; LOCATION: (1) .. (0)
; OTHER INFORMATION: position 10 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0) .. (10)
; OTHER INFORMATION: SNK
; US-09-736-076-57

Query Match 81.6%; Score 40; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LGRPPFETS 7
Db 4 LGRPPFEE 10

RESULT 27
US-10-026-021-3
; Sequence 3, Application US/10026021
; Publication No. US2003027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1) .. (379)
; OTHER INFORMATION: SAK serine/threonine kinase kinase domain
; US-10-026-021-3

Query Match 81.6%; Score 40; DB 14; Length 379;
Best Local Similarity 75.0%; Pred. No. 54;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
Db 206 IGRPPFDT 213

RESULT 28
US-10-425-114-37528
; Sequence 37528, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37528
; LENGTH: 928
; TYPE: PRT
; ORGANISM: Homo sapiens

; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-112-B4_FLI.pep
US-10-425-114-37528

Query Match 81.6%; Score 40; DB 12; Length 928;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
Db 164 IGRPPFDT 171

RESULT 29
US-10-026-021-2
; Sequence 2, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026,021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309,632
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 2
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human SAK serine/threonine kinase
US-10-026-021-2

Query Match 81.6%; Score 40; DB 14; Length 970;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
Db 206 IGRPPFDT 213

RESULT 30
US-10-408-765A-1916
; Sequence 1916, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1916
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1916

Query Match 81.6%; Score 40; DB 16; Length 970;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
Db 206 IGRPPFDT 213

RESULT 31
US-09-736-076-17
; Sequence 17, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1)..(0)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0)..(9)
; OTHER INFORMATION: J43.1
US-09-736-076-17

Query Match 75.5%; Score 37; DB 9; Length 9;
Best Local Similarity 85.7%; Pred. No. 1e+06;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LGRPPFE 7
Db 3 LGKPPFE 9

RESULT 32
 US-10-424-599-149900
 ; Sequence 149900, Application US/10424599
 ; GENERAL INFORMATION:
 ; APPLICATION: La Rosa Thomas J
 ; APPLICATION: Kovalic David K
 ; APPLICATION: Zhou Yihua
 ; APPLICATION: Cao Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223)B
 ; CURRENT APPLICATION NUMBER: US/10/424,599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO 149900
 ; LENGTH: 229
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (1)..(229)
 ; OTHER INFORMATION: unsure at all Xaa locations
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_106381C.1.pep
 ; US-10-424-599-149900

Query Match 75.5%; Score 37; DB 12; Length 229;
 Best Local Similarity 85.7%; Pred. No. 1.1e+02;
 Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPFET 8
 Db 53 GRPPFET 59

RESULT 33
 US-10-403-571-98
 ; Sequence 98, Application US/10403571
 ; GENERAL INFORMATION:
 ; APPLICATION: Hopkins, Nancy
 ; APPLICATION: Golling, Gregory
 ; APPLICATION: Amsterdam, Adam
 ; APPLICATION: Sun, Zhoaxia
 ; TITLE OF INVENTION: Developmental Mutations in Zebrafish
 ; FILE REFERENCE: 01997/539002
 ; CURRENT APPLICATION NUMBER: US/10/403,571
 ; CURRENT FILING DATE: 2003-03-25
 ; PRIOR APPLICATION NUMBER: US 60/368,760
 ; PRIOR FILING DATE: 2002-03-29
 ; NUMBER OF SEQ ID NOS: 159
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 98
 ; LENGTH: 320
 ; TYPE: PRT
 ; ORGANISM: Danio rerio
 ; US-10-403-571-98

Query Match 75.5%; Score 37; DB 12; Length 320;
 Best Local Similarity 75.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db 244 VGNPPFET 251

RESULT 34
 US-10-424-599-239090
 ; Sequence 239090, Application US/10424599
 ; GENERAL INFORMATION:
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO 239090
 ; LENGTH: 101
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_57923C.1.pep
 ; US-10-424-599-239090

Query Match 73.5%; Score 36; DB 12; Length 101;
 Best Local Similarity 75.0%; Pred. No. 75;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db 73 LGKPPLET 80

RESULT 35
 US-10-276-774-1652
 ; Sequence 1652, Application US/10276774
 ; Publication No. US20040053245A1
 ; GENERAL INFORMATION:
 ; APPLICATION: Hyseq, Inc.
 ; APPLICANT: Tang, Y, Tom et al
 ; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
 ; FILE REFERENCE: 21272-030
 ; CURRENT APPLICATION NUMBER: US/10/276,774
 ; CURRENT FILING DATE: 2002-11-18
 ; PRIOR APPLICATION NUMBER: 09/560,875
 ; PRIOR FILING DATE: 2000-04-27
 ; PRIOR APPLICATION NUMBER: 09/496,914
 ; PRIOR FILING DATE: 2000-02-03
 ; NUMBER OF SEQ ID NOS: 2700
 ; SOFTWARE: Custom
 ; SEQ ID NO 1652
 ; LENGTH: 137
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-276-774-1652

Query Match 73.5%; Score 36; DB 12; Length 137;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPFE 7
 Db 86 GRPPFE 91

RESULT 36
 US-10-282-122A-54433
 ; Sequence 54433, Application US/10282122A
 ; Publication No. US20040029129A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Liangsu
 ; APPLICANT: Zamudio, Carlos
 ; APPLICANT: Malone, Cheryl
 ; APPLICANT: Haselbeck, Robert
 ; APPLICANT: Ohlsen, Kari
 ; APPLICANT: Zyskind, Judith
 ; APPLICANT: Wall, Daniel
 ; APPLICANT: Trawick, John
 ; APPLICANT: Carr, Grant
 ; GENERAL INFORMATION:
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO 54433
 ; LENGTH: 137
 ; TYPE: PRT
 ; ORGANISM: Danio rerio
 ; US-10-282-122A-54433

Query Match 75.5%; Score 36; DB 12; Length 137;
 Best Local Similarity 75.0%; Pred. No. 1.5e+02;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LGRPPFET 8
 Db 244 VGNPPFET 251

; APPLICANT: Yamamoto, Robert
 ; APPLICANT: Forsyth, R.
 ; APPLICANT: Xu, H.
 ; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
 ; FILE REFERENCE: ELITRA.034A
 ; CURRENT APPLICATION NUMBER: US/10/282,122A
 ; CURRENT FILING DATE: 2003-02-20
 ; PRIOR APPLICATION NUMBER: 60/191,078
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: 60/206,848
 ; PRIOR FILING DATE: 2000-05-23
 ; PRIOR APPLICATION NUMBER: 60/207,727
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: 60/230,335
 ; PRIOR FILING DATE: 2000-09-06
 ; PRIOR APPLICATION NUMBER: 60/230,347
 ; PRIOR FILING DATE: 2000-09-09
 ; PRIOR APPLICATION NUMBER: 60/242,578
 ; PRIOR FILING DATE: 2000-10-23
 ; PRIOR APPLICATION NUMBER: 60/253,625
 ; PRIOR FILING DATE: 2000-11-27
 ; PRIOR APPLICATION NUMBER: 60/257,931
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 60/267,636
 ; PRIOR FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: 60/269,308
 ; PRIOR FILING DATE: 2001-02-16
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 78614
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 54433
 ; LENGTH: 256
 ; TYPE: PRT
 ; ORGANISM: Campylobacter jejuni
 ; US-10-282-122A-54433

RESULT 38
 US-10-026-021-4
 ; Sequence 4, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer
 ; FILE REFERENCE: 02104-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SEQ ID NO 4
 ; LENGTH: 373
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1)..(373)
 ; OTHER INFORMATION: human FNK mitotic kinase domain
 US-10-026-021-4

Query Match 73.5%; Score 36; DB 12; Length 256;
 Best Local Similarity 77.8%; Pred. No. 1.9e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 LGRRPFET 8
 Db 27 LGYPPFEMS 35

RESULT 37
 US-10-374-780A-852
 ; Sequence 852, Application US/10374780A
 ; Publication No. US20040019927A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sherman, Bradley K
 ; APPLICANT: Riechmann, Jose Luis
 ; APPLICANT: Jiang, Cai-Zhong
 ; APPLICANT: Heard, Jacqueline E
 ; APPLICANT: Haake, Volker
 ; APPLICANT: Creelman, Robert A
 ; APPLICANT: Ratcliffe, Oliver
 ; APPLICANT: Adam, Luc J
 ; APPLICANT: Reuber, T. Lynne
 ; APPLICANT: Eddie, James
 ; APPLICANT: Broun, Pierre E
 ; APPLICANT: Pilgrim, Marsha L
 ; APPLICANT: Dubell, III, Arnold T
 ; APPLICANT: Pineda, Omaira
 ; APPLICANT: Yu, Guo-Liang
 ; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
 ; FILE REFERENCE: MBI-0047 CIP
 ; CURRENT APPLICATION NUMBER: US/10/374,780A
 ; CURRENT FILING DATE: 2003-02-25
 ; PRIOR APPLICATION NUMBER: 09/837,944
 ; PRIOR FILING DATE: 2001-04-18
 ; PRIOR APPLICATION NUMBER: 60/310,847
 ; PRIOR FILING DATE: 2001-08-09

Query Match 73.5%; Score 36; DB 14; Length 373;
 Best Local Similarity 75.0%; Pred. No. 2.7e+02;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 2 GRPPFETS 9
 Db 256 GSPPFETA 263

RESULT 39
 US-10-156-761-14310
 ; Sequence 14310, Application US/10156761

Publication No. US20030119018A1
 GENERAL INFORMATION:
 APPLICANT: OMURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: SAKAKI, YOSHIIYUKI
 APPLICANT: HATTORI, MASAHIRA
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 249-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29
 PRIOR APPLICATION NUMBER: JP 2001-204089
 PRIOR FILING DATE: 2001-05-30
 PRIOR APPLICATION NUMBER: JP 2001-272697
 PRIOR FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO 14310
 LENGTH: 505
 TYPE: PRT
 ORGANISM: Streptomyces avermitillis
 US-10-156-761-14310

Query Match 73.5%; Score 36; DB 14; Length 505;
 Best Local Similarity 100.0%; Pred. No. 3.6e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRPPFE 7
 Db 305 GRPPFE 310

RESULT 40
 US-09-769-970-15
 Sequence 15, Application US/09769970
 Publication No. US20030170219A1
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 Hillman, Jennifer L.
 Corley, Neil C.
 Guegler, Karl G.
 Lal, Preeti
 Goli, Surya K.
 Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: Fast-SEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/769,970
 FILING DATE: 24-Jan-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/272,796
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model
 Run on: June 9, 2004, 10:56:30 ; Search time 15.0652 Seconds
 (without alignments)
 37.695 Million cell updates/sec

Title: US-09-736-076-19
 Perfect score: 58
 Sequence: 1 MLLGRPPFETS 11
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5
 Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Issued Patents AA:
 1: /cgn2_6/ptodata/2/iaa/5A COMB.pep:
 2: /cgn2_6/ptodata/2/iaa/5B COMB.pep:
 3: /cgn2_6/ptodata/2/iaa/6A COMB.pep:
 4: /cgn2_6/ptodata/2/iaa/6B COMB.pep:
 5: /cgn2_6/ptodata/2/iaa/PCITS COMB.pep:
 6: /cgn2_6/ptodata/2/iaa/backfile1.pep:
 *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	58	100.0	11	3	US-09-861-338-19	Sequence 19, Appl
2	55	94.8	272	1	US-09-252-995D-12	Sequence 12, Appl
3	55	94.8	272	2	US-09-834-108-12	Sequence 12, Appl
4	55	94.8	685	2	US-09-878-989-1	Sequence 1, Appl
5	55	94.8	685	3	US-09-136-282-2	Sequence 2, Appl
6	55	94.8	685	3	US-09-272-796-1	Sequence 1, Appl
7	55	94.8	685	3	US-09-505-744-2	Sequence 2, Appl
8	49	84.5	9	3	US-09-861-338-15	Sequence 15, Appl
9	49	84.5	9	3	US-09-861-338-18	Sequence 18, Appl
10	49	84.5	20	3	US-09-861-338-6	Sequence 6, Appl
11	49	84.5	272	1	US-09-252-995D-14	Sequence 14, Appl
12	49	84.5	272	2	US-09-834-108-14	Sequence 14, Appl
13	49	84.5	603	3	US-09-198-122-2	Sequence 2, Appl
14	49	84.5	603	4	US-09-311-311C-26	Sequence 26, Appl
15	46	79.3	9	3	US-09-861-338-17	Sequence 17, Appl
16	46	79.3	273	1	US-09-252-995D-10	Sequence 10, Appl
17	46	79.3	273	2	US-09-834-108-10	Sequence 10, Appl
18	46	79.3	416	1	US-09-252-995D-2	Sequence 2, Appl
19	46	79.3	416	2	US-09-834-108-2	Sequence 2, Appl
20	46	79.3	464	1	US-09-252-995D-6	Sequence 6, Appl
21	46	79.3	464	2	US-09-834-108-6	Sequence 6, Appl
22	46	79.3	925	1	US-09-252-995D-4	Sequence 4, Appl
23	46	79.3	925	2	US-09-834-108-4	Sequence 4, Appl
24	44	75.9	271	1	US-09-252-995D-11	Sequence 11, Appl
25	44	75.9	271	2	US-09-834-108-11	Sequence 11, Appl
26	41	70.7	8	3	US-09-861-338-16	Sequence 16, Appl
27	41	70.7	607	2	US-09-878-989-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
 US-09-272-796-15
 ; Sequence 19, Application US/08861338
 ; Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Samuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/861,338
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CMCC-590
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 861-6240
 TELEFAX: (781) 861-9540
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 11 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"
 FEATURE:
 NAME/KEY: Modified-site
 LOCATION: 11

OTHER INFORMATION: /note= "Serine-NH2"
 US-08-861-338-19

Query Match 100.0%; Score 58; DB 3; Length 11;
 Best Local Similarity 100.0%; Pred. No. 0.00011;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
 Db 1 MLLGRPPFETS 11

RESULT 2
 US-08-252-995D-12
 Sequence 12, Application US/08252995D
 Patent No. 5650501

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol

TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/834,108
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-210

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus

US-08-834-108-12

Query Match 94.8%; Score 55; DB 2; Length 272;
 Best Local Similarity 90.9%; Pred. No. 0.012;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
 Db 199 MLLGRPPFETT 209

RESULT 4
 US-08-878-989-1
 Sequence 1, Application US/08878989
 Patent No. 5885803

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi
 TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/878,989
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 TELECOMMUNICATION INFORMATION:
 PHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 685 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-136-282-2

Query Match 94.8%; Score 55; DB 2; Length 685;
 Best Local Similarity 90.9%; Pred. No. 0.032;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 6
 US-09-272-796-1
 ; Sequence 1, Application US/09272796
 ; Patent No. 6207148
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Guegler, Karl G.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Goli, Surya K.
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
 ; TITLE OF INVENTION: KINASES
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/272,796
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/878,989
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J J
 ; REGISTRATION NUMBER: 36,749
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-845-4166
 ; TELE:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 685 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: HUVENOB01
 ; CLONE: 39043
 ; US-09-272-796-1

Query Match 94.8%; Score 55; DB 3; Length 685;

APPLICATION NUMBER: US/08/878,989
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700

Query Match 94.8%; Score 55; DB 2; Length 685;

APPLICATION NUMBER: US/09-136-282-2
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 60/056,112
 FILING DATE: 20-AUG-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Prestia, Paul F
 REGISTRATION NUMBER: 23,031
 REFERENCE/DOCKET NUMBER: GH-70231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407-0700
 TELEFAX: 610-407-0700

Best Local Similarity 90.9%; Pred. No. 0.032; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 7
US-09-505-744-2
; Sequence 2, Application US/09505744
; Patent No. 6245544
; GENERAL INFORMATION:
; APPLICANT: Karen M. Anderson
; APPLICANT: Mark M. Bouzyk
; APPLICANT: Michael J. Hansbury
; APPLICANT: Jeffrey R. Jackson
; APPLICANT: Sandhya S. Nerurkar
; APPLICANT: Amy K. Rosak
; TITLE OF INVENTION: HUMAN SERUM INDUCIBLE KINASE (SNK)
; FILE REFERENCE: GH-70231-D1
; CURRENT APPLICATION NUMBER: US/09/505,744
; CURRENT FILING DATE: 2000-02-16
; EARLIER APPLICATION NUMBER: 09/136,282
; EARLIER FILING DATE: 1998-08-20
; EARLIER APPLICATION NUMBER: 60/056,112
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 685
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-505-744-2

Query Match 94.8%; Score 55; DB 3; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.032; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 8
US-08-861-338-15
; Sequence 15, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: peptide
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1

Query Match 84.5%; Score 49; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFE 9
Db 1 MLLGRPPFE 9

RESULT 9
US-08-861-338-18
; Sequence 18, Application US/08861338
; Patent No. 6174993
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,338
; FILING DATE: 21-MAY-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CMCC-590
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781) 861-6240
; TELEFAX: (781) 861-9540
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: peptide
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "N-Acetyl Leucine"

FEATURE: NAME/KEY: Modified-site
 LOCATION: 7
 OTHER INFORMATION: /note= "Glutamic Acid Benzyl Ester"

FEATURE: NAME/KEY: Modified-site
 LOCATION: 9
 OTHER INFORMATION: /note= "Serine-NH2"

US-08-861-338-18

Query Match 84.5%; Score 49; DB 3; Length 9;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LGRPPFETS 11
 1 LGRPPFETS 9

Db 1 LGRPPFETS 9

RESULT 10
 US-08-861-338-6
 ; Sequence 6, Application US/08861338
 ; Patent No. 6174993

GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/861,338
 ; FILING DATE: 21-MAY-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brook, David E.
 ; REGISTRATION NUMBER: 22,592
 ; REFERENCE/DOCKET NUMBER: CMCC-590

TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (781) 861-6240
 ; TELEFAX: (781) 861-9540
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: not relevant
 ; MOLECULE TYPE: peptide

US-08-861-338-6

Query Match 84.5%; Score 49; DB 3; Length 20;
 Best Local Similarity 72.7%; Pred. No. 0.01;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRRPPFETS 11
 3 LLVGKPPFETS 13

Db 3 LLVGKPPFETS 13

RESULT 11
 US-08-252-995D-14
 ; Sequence 14, Application US/08252995D
 ; Patent No. 5650501

GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108

FILING DATE: 5/36
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 31153-210
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 US-08-834-108-14

Query Match 84.5%; Score 49; DB 2; Length 272;
 Best Local Similarity 72.7%; Pred. No. 0.16;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
 Db 199 LLVGKPPFETS 209

RESULT 13
 US-09-198-122-2
 Sequence 2, Application US/09198122
 Patent No. 6180380
 GENERAL INFORMATION:
 APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;
 APPLICANT: Holtrich, Uwe
 TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERINE-
 TITLE OF INVENTION: THREONINE-KINASE FAMILY
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 STREET: 660 White Plains Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-5144

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 COMPUTER: NEC Powermate SX-20
 OPERATING SYSTEM: DOS
 SOFTWARE: WordPerfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/198,122
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/601,014
 FILING DATE: 23-FEB-1996
 APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141
 REFERENCE/DOCKET NUMBER: Bayer 9516-KGB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX:
 INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 603 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-09-198-122-2

Query Match 84.5%; Score 49; DB 3; Length 603;
 Best Local Similarity 72.7%; Pred. No. 0.37;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
 Db 244 LLVGKPPFETS 254

RESULT 14
 US-09-311-311C-26
 Sequence 26, Application US/09311311C
 Patent No. 6358738
 GENERAL INFORMATION:
 APPLICANT: Erikson, et al.
 TITLE OF INVENTION: POLO BOX THERAPEUTIC COMPOSITIONS,
 TITLE OF INVENTION: METHODS, AND USES THEREFOR
 FILE REFERENCE: 1874/117
 CURRENT APPLICATION NUMBER: US/09/311,311C
 CURRENT FILING DATE: 1999-05-13
 PRIORITY APPLICATION NUMBER: US 60/085,296
 PRIORITY FILING DATE: 1998-05-13
 NUMBER OF SEQ ID NOS: 27
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 26
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Mus musculus
 FEATURE:
 NAME/KEY: DOMAIN
 LOCATION: (1) : : . (603)
 OTHER INFORMATION: Plk protein
 US-09-311-311C-26

Query Match 84.5%; Score 49; DB 4; Length 603;
 Best Local Similarity 72.7%; Pred. No. 0.37;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRPPFETS 11
 Db 244 LLVGKPPFETS 254

RESULT 15
 US-08-861-338-17
 Sequence 17, Application US/08861338
 Patent No. 6174993
 GENERAL INFORMATION:
 APPLICANT: Ben-Sasson, Shmuel A.
 TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/861,338

; FILING DATE: 21-MAY-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brook, David E.
 ; REGISTRATION NUMBER: 22,592
 ; REFERENCE/DOCKET NUMBER: CMCC-590
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (781) 861-6240
 ; TELEFAX: (781) 861-9540
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 9 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: not relevant
 ; MOLECULE TYPE: peptide
 ; FEATURE:
 ; NAME/KEY: Modified-site
 ; LOCATION: 1
 ; OTHER INFORMATION: /note= "N-Acetyl Methionine"
 ; FEATURE:
 ; NAME/KEY: Modified-site
 ; LOCATION: 9
 ; OTHER INFORMATION: /note= "Gamma Benzyl Ester of
 ; OTHER INFORMATION: Glutamine Acid-NH2"
 ; US-08-861-338-17

Query Match 79.3%; Score 46; DB 1; Length 273;
 Best Local Similarity 70.0%; Pred. No. 0.57;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRRPPFET 10
 :|||||:
 Db 200 LLIGRPPFDT 209

RESULT 17
 US-08-834-108-10
 ; Sequence 10, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 273 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Homo sapiens
 ; US-08-834-108-10

Query Match 79.3%; Score 46; DB 2; Length 273;
 Best Local Similarity 70.0%; Pred. No. 0.57;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGRRPPFET 10
 :|||||:
 Db 200 LLIGRPPFDT 209

RESULT 18
 US-08-252-995D-2
 ; Sequence 2, Application US/08252995D
 ; Patent No. 5650501

GENERAL INFORMATION:
 APPLICANT: Dennis, James W
 APPLICANT: Heffernan, Mike
 APPLICANT: Fode, Carol
 TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BERESKIN & PARR
 STREET: 40 King Street West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-2

RESULT 19
 US-08-834-108-2
 ; Sequence 2, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2

Query Match 79.3%; Score 46; DB 1; Length 416;
 Best Local Similarity 70.0%; Pred. No. 0.89;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFET 1.0
 Db 204 LLIGRPPFDT 213

RESULT 20
 US-08-252-995D-6
 ; Sequence 6, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/252,995D
 FILING DATE: 02-JUN-1994
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Kurdydyk, Linda M
 REGISTRATION NUMBER: 34,971
 REFERENCE/DOCKET NUMBER: 3153-96
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-252-995D-6

Query Match 79.3%; Score 46; DB 1; Length 464;
 Best Local Similarity 70.0%; Pred. No. 1;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFET 1.0
 Db 204 LLIGRPPFDT 213

RESULT 21
 US-08-834-108-6
 ; Sequence 6, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 6:
 ; LENGTH: 464 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-834-108-6

Query Match 79.3%; Score 46; DB 2; Length 464;
 Best Local Similarity 70.0%; Pred. No. 1;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFET 10
 Db 204 LLIGRPPFDT 213

US-08-834-108-6

Query Match 79.3%; Score 46; DB 2; Length 464;
 Best Local Similarity 70.0%; Pred. No. 1;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFET 10
 Db 204 LLIGRPPFDT 213

RESULT 22
 US-08-252-995D-4
 ; Sequence 4, Application US/08252995D
 ; GENERAL INFORMATION:
 ; Patent No. 5650501
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 4:
 ; LENGTH: 925 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-252-995D-4

Query Match 79.3%; Score 46; DB 2; Length 925;
 Best Local Similarity 70.0%; Pred. No. 2.1;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFET 10

RESULT 23
 US-08-834-108-4
 ; Sequence 4, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/834,108
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-210
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 4:
 ; LENGTH: 925 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-834-108-4

RESULT 24
 US-08-252-995D-11
 ; Sequence 11, Application US/08252995D
 ; Patent No. 5650501
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: M5H 3Y2
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/252,995D
 ; FILING DATE: 02-JUN-1994
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kurdydyk, Linda M
 ; REGISTRATION NUMBER: 34,971
 ; REFERENCE/DOCKET NUMBER: 3153-96
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 364-7311
 ; TELEFAX: (416) 361-1398
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 271 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; ORIGINAL SOURCE:
 ; ORGANISM: Drosophila melanogaster
 ; US-08-252-995D-11

Query Match 75.9%; Score 44; DB 2; Length 271;
 Best Local Similarity 70.0%; Pred. No. 1.3;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFET 10
 Db 198 LLVGQPPFET 207

RESULT 25
 US-08-834-108-11
 ; Sequence 11, Application US/08834108
 ; Patent No. 5976893
 ; GENERAL INFORMATION:
 ; APPLICANT: Dennis, James W
 ; APPLICANT: Heffernan, Mike
 ; APPLICANT: Fode, Carol
 ; TITLE OF INVENTION: NOVEL SERINE/THREONINE KINASE
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BERESKIN & PARR
 ; STREET: 40 King Street West
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada

Query Match 75.9%; Score 44; DB 1; Length 271;
 Best Local Similarity 70.0%; Pred. No. 1.3;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFET 10
 Db 198 LLVGQPPFET 207

RESULT 26
 US-08-861-338-16
 ; Sequence 16, Application US/08861338
 ; Patent No. 6174993
 ; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson, Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 ; TITLE OF INVENTION: MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/861,338
 ; FILING DATE: 21-MAY-1997
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brook, David E.
 ; REGISTRATION NUMBER: 22,592
 ; REFERENCE/DOCKET NUMBER: CMCC-590
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (781) 861-6240
 ; TELEFAX: (781) 861-9540
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 8 amino acids
 ; TYPE: amino acid

US-08-878-989-15

STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: peptide
 FEATURE: NAME/KEY: Modified-site
 LOCATION: 1
 OTHER INFORMATION: /note= "N-Acetyl Methionine"
 FEATURE: NAME/KEY: Modified-site
 LOCATION: 8
 OTHER INFORMATION: /note= "Phenylalanine-NH2"

Qy S-08-861-338-16

Query Match Best Local Similarity 87.5%; Score 41; DB 2; Length 607; Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Db 1 MLLGRPPFET 11
 1 MLLGKPPF 8

RESULT 27

Sequence 15, Application US/08878989
 Patent No. 5885803

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/272,796
 FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/878,989
 FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:

LIBRARY: GenBank
 CLONE: 1827450

US-09-272-796-15

Query Match Best Local Similarity 63.6%; Score 41; DB 3; Length 607; Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Db 1 MLLGRPPFET 11
 1 MLLGKPPF 8

RESULT 28

US-09-272-796-15

Sequence 15, Application US/09272796

Patent No. 6207148

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/272,796
 FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/878,989
 FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:

LIBRARY: GenBank
 CLONE: 1827450

US-09-272-796-15

Query Match Best Local Similarity 63.6%; Score 41; DB 3; Length 607; Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Db 1 MLLGRPPFET 11
 1 MLLGKPPF 8

RESULT 29

US-09-272-796-15

Sequence 15, Application US/09272796

Patent No. 6207148

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 APPLICANT: Lal, Preeti
 APPLICANT: Goli, Surya K.
 APPLICANT: Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/272,796
 FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/878,989
 FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J J
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0321 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:

LIBRARY: GenBank
 CLONE: 1827450

US-09-272-796-15

Query Match Best Local Similarity 63.6%; Score 41; DB 3; Length 607; Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Db 1 MLLGRPPFET 11
 1 MLLGKPPF 8

RESULT 29
 US-08-755-728-3
 ; Sequence 3, Application US/08755728
 ; Patent No. 5962312

GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974,655
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO. 5972676ember 25, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

US-08-755-728-3

RESULT 31
 US-09-283-011-3
 ; Sequence 3, Application US/09283011
 ; Patent No. 6207401

GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 COMPUTER: IBM Compatible

RESULT 30
 US-08-974-655-3
 ; Sequence 3, Application US/08974655
 ; Patent No. 5972676

GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 APPLICANT: Mossie, Kevin
 TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon

OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/012,135
 FILING DATE: JANUARY 22, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO 6207401ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

US-09-283-011-3

Query Match 69.0%; Score 40; DB 3; Length 344;
 Best Local Similarity 54.5%; Pred. No. 9.4;
 Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db ::|:|:|:|: 266 LLVGNPPFESA 276

RESULT 32
 US-09-016-000-1
 Sequence 1, Application US/09016000
 Patent No. 5962232

GENERAL INFORMATION:
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Lal, Preeti
 APPLICANT: Bandman, Olga
 APPLICANT: Akerblom, Ingrid E.
 APPLICANT: Shah, Purvi
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl G.
 TITLE OF INVENTION: PROTEIN KINASE MOLECULES
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ For Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/016,000
 FILING DATE: HEREWITH
 CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0465 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 347 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HMC1NOT01
 CLONE: 2940
 US-09-016-000-1

Query Match 69.0%; Score 40; DB 2; Length 347;
 Best Local Similarity 54.5%; Pred. No. 9.5;
 Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db ::|:|:|: 269 LLVGNPPFESA 279

RESULT 33
 US-07-857-224B-17
 Sequence 17, Application US/07857224B
 Patent No. 5958784

GENERAL INFORMATION:
 APPLICANT: Benner, Steven A.
 TITLE OF INVENTION: Predicting Folded Structures of Proteins
 NUMBER OF SEQUENCES: 114
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Steven A. Benner
 STREET: Hadlaubstrasse 151
 CITY: Zurich
 STATE: none
 COUNTRY: Switzerland
 ZIP: (note: this is an international post code) CH-8022
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Macintosh 7.0
 SOFTWARE: Microsoft Word
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/857,224B
 FILING DATE: 03/25/92
 CLASSIFICATION: 436
 PRIOR APPLICATION DATA: none
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (International) 41 1 632 2830
 TELEFAX: (International) 41 1 262 2437
 TELEX: none
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 264
 TYPE: amino acid
 ORIGINAL SOURCE:
 ORGANISM: Drosophila melanogaster
 FEATURE: Protein kinase; Table 8 Column 18
 PUBLICATION INFORMATION:
 AUTHORS: Hanks, S. K.

Db 207 MLLGRPLFE 215

RESULT 36 US-08-755-728-4 ; Sequence 4, Application US/08755728 ; Patent No. 5962312 ; GENERAL INFORMATION: ; APPLICANT: Plowman, Gregory ; APPLICANT: Mossie, Kevin ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS ; NUMBER OF SEQUENCES: 29 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Lyon & Lyon ; STREET: 633 West Fifth Street ; STREET: Suite 4700 ; CITY: Los Angeles ; STATE: California ; COUNTRY: U.S.A. ; ZIP: 90071-2066 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb ; COMPUTER: IBM Compatible ; OPERATING SYSTEM: IBM P.C. DOS 5.0 ; SOFTWARE: FastSEQ for Windows 2.0 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/755,728 ; FILING DATE: No. 5962312ember 25, 1996 ; CLASSIFICATION: 530 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: 60/008,809 ; FILING DATE: December 18, 1995 ; APPLICATION NUMBER: 60/023,943 ; FILING DATE: August 14, 1996 ; ATTORNEY/AGENT INFORMATION: ; NAME: Warburg, Richard J. ; REGISTRATION NUMBER: 32,327 ; REFERENCE/DOCKET NUMBER: 223/113 ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: (213) 489-1600 ; TELEFAX: (213) 955-0440 ; TELEX: 67-3510 ; INFORMATION FOR SEQ ID NO: 4: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 403 amino acids ; TYPE: amino acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; MOLECULE TYPE: protein ; HYPOTHETICAL: NO ; ANTI-SENSE: NO ; US-08-755-728-4

Qy 1 MLLGRPPFE 9
Db 195 MLVGQPPFD 203

RESULT 34 US-09-739-455-12 ; Sequence 12, Application US/09739455 ; Patent No. 6413756 ; GENERAL INFORMATION: ; APPLICANT: YAN, Chunhua et al ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES ; TITLE OF INVENTION: THEREOF ; FILE REFERENCE: CL000653 ; CURRENT APPLICATION NUMBER: US/09/739,455 ; CURRENT FILING DATE: 2000-12-19 ; NUMBER OF SEQ ID NOS: 23 ; SOFTWARE: FastSEQ for Windows Version 4.0 ; SEQ ID NO: 12 ; LENGTH: 303 ; TYPE: PRT ; ORGANISM: Leishmania mexicana

Query Match 67.2%; Score 39; DB 2; Length 264; Best Local Similarity 66.7%; Pred. No. 11; Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 207 MLLGRPLFE 215

RESULT 35 US-09-739-455-22 ; Sequence 22, Application US/09739455 ; Patent No. 6413756 ; GENERAL INFORMATION: ; APPLICANT: YAN, Chunhua et al ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES ; FILE REFERENCE: CL000653 ; CURRENT APPLICATION NUMBER: US/09/739,455 ; CURRENT FILING DATE: 2000-12-19 ; NUMBER OF SEQ ID NOS: 23 ; SOFTWARE: FastSEQ for Windows Version 4.0 ; SEQ ID NO: 22 ; LENGTH: 303 ; TYPE: PRT ; ORGANISM: Leishmania mexicana

Query Match 67.2%; Score 39; DB 2; Length 403; Best Local Similarity 60.0%; Pred. No. 17; Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LLGRPPFETS 11
Db 323 LVGKPPFEAN 332

RESULT 37 US-08-974-655-4 ; Sequence 4, Application US/08974655 ; Patent No. 5972676 ; GENERAL INFORMATION: ; APPLICANT: Plowman, Gregory ; APPLICANT: Mossie, Kevin ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1 ; TITLE OF INVENTION: AND/OR AUR-2 RELATED DISORDERS ; NUMBER OF SEQUENCES: 29 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Lyon & Lyon ; STREET: 633 West Fifth Street ; STREET: Suite 4700 ; CITY: Los Angeles ; STATE: California ; COUNTRY: U.S.A. ; ZIP: 90071-2066 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb ; COMPUTER: IBM Compatible ; OPERATING SYSTEM: IBM P.C. DOS 5.0 ; SOFTWARE: FastSEQ for Windows 2.0 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/755,728 ; FILING DATE: No. 5962312ember 25, 1996 ; CLASSIFICATION: 530 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: 60/008,809 ; FILING DATE: December 18, 1995 ; APPLICATION NUMBER: 60/023,943 ; FILING DATE: August 14, 1996 ; ATTORNEY/AGENT INFORMATION: ; NAME: Warburg, Richard J. ; REGISTRATION NUMBER: 32,327 ; REFERENCE/DOCKET NUMBER: 223/113 ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: (213) 489-1600 ; TELEFAX: (213) 955-0440 ; TELEX: 67-3510 ; INFORMATION FOR SEQ ID NO: 4: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 403 amino acids ; TYPE: amino acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; MOLECULE TYPE: protein ; HYPOTHETICAL: NO ; ANTI-SENSE: NO ; US-08-755-728-4

Qy 1 MLLGRPPFE 9
Db 195 MLVGQPPFD 203

Query Match 67.2%; Score 39; DB 4; Length 303; Best Local Similarity 88.9%; Pred. No. 13; Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 195 MLVGQPPFD 203

NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/283,011
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/755,728
 FILING DATE: No. 5972676ember 25, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 223/113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 403 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-974-655-4

Query Match 67.2%; Score 39; DB 2; Length 403;
 Best Local Similarity 60.0%; Pred. No. 17;
 Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LLGRRPPFETS 11
 Db 323 LVGKPPFEAN 332

RESULT 38
 US-09-283-011-4
 ; Sequence 4, Application US/09283011
 ; Patent No. 6207401
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/283,011
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/012,135
 ; FILING DATE: January 22, 1998
 ; APPLICATION NUMBER: 08/755,728
 ; FILING DATE: No. 6207401ember 25, 1996
 ; APPLICATION NUMBER: 60/023,943
 ; FILING DATE: August 14, 1996
 ; APPLICATION NUMBER: 60/008,809
 ; FILING DATE: December 18, 1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Warburg, Richard J.
 ; REGISTRATION NUMBER: 32,327
 ; REFERENCE/DOCKET NUMBER: 231/282
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (213) 489-1600
 ; TELEFAX: (213) 955-0440
 ; TELEX: 67-3510
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 403 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-09-283-011-4
 ; Query Match 67.2%; Score 39; DB 3; Length 403;
 ; Best Local Similarity 60.0%; Pred. No. 17;
 ; Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 ; Qy 2 LLGRRPPFETS 11
 ; Db 323 LVGKPPFEAN 332
 ; US-09-252-991A-28679
 ; Sequence 28679, Application US/09252991A
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 28679
 ; LENGTH: 259
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-28679
 ; Query Match 65.5%; Score 38; DB 4; Length 259;
 ; Best Local Similarity 100.0%; Pred. No. 16;
 ; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 ; Qy 1 MLLGRPP 7

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Compugen Ltd.

US protein - protein search, using sw model

run on: June 9, 2004, 11:00:56 ; Search time 44.2391 Seconds
 (without alignments)
 69.954 Million cell updates/sec

title: US-09-736-076-19
 perfect score: 58
 sequence: 1 MLLGRPPFETS 11
 scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

searched: 1155919 seqs, 281338677 residues

Total number of hits satisfying chosen parameters: 1155919

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Published Applications AA: *
 Database: *

```

total number of hits satisfying chosen parameters: 1155919

minimum DB seq length: 0
maximum DB seq length: 200000000

post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

database : Published Applications AA: *
1: /cgn2_6/ptodata/1/pubpaa/us07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/us06__NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/us06__PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/us07__NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/us08__NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/us08__PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/us09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/us09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/us09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/us09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/us10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/us10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/us10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/us10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/us60__NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/us60__PUBCOMB.pep:*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

result	No.	Score	Query Match	Length	DB ID	Description
1	58	100.0	11	9	US-09-736-076-19	Sequence 19, App1
2	55	94.8	400	14	US-10-026-021-5	Sequence 5, App1
3	55	94.8	469	14	US-10-059-585-14	Sequence 14, App1
4	55	94.8	685	9	US-09-771-161A-249	Sequence 249, App
5	55	94.8	685	9	US-09-771-161A-250	Sequence 250, App
6	55	94.8	685	9	US-09-771-161A-251	Sequence 251, App
7	55	94.8	685	10	US-09-769-970-1	Sequence 1, App1
8	55	94.8	685	12	US-10-260-708-69	Sequence 69, App1
9	55	94.8	685	14	US-10-024-298A-101	Sequence 101, App
10	55	94.8	685	14	US-10-042-211A-101	Sequence 101, App
11	55	94.8	685	16	US-10-617-217A-101	Sequence 101, App
12	55	94.8	753	15	US-10-264-049-3124	Sequence 3124, App
13	49	84.5	9	9	US-09-736-076-15	Sequence 15, App1
14	49	84.5	9	9	US-09-736-076-18	Sequence 18, App1
15	49	84.5	10	9	US-09-736-076-57	Sequence 57, App1

```

US-10-026-021-5
; Sequence 5, Application US/10026021
; Publication No. US20030027756A1
; GENERAL INFORMATION:
; APPLICANT: Hitoshi, Yasumichi
; APPLICANT: Demo, Susan
; APPLICANT: Jenkins, Yonchu
; APPLICANT: Rigel Pharmaceuticals, Inc.
; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
; TITLE OF INVENTION: Treatment of Cancer
; FILE REFERENCE: 021044-001210US
; CURRENT APPLICATION NUMBER: US/10/026, 021
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/309, 632
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1) .. (400)
; OTHER INFORMATION: human SNK mitotic kinase kinase domain
US-10-026-021-5

Query Match 94.8%; Score 55; DB 14; Length 400;
Best Local Similarity 90.9%; Pred. No. 0.25;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 3
US-10-059-585-14
; Sequence 14, Application US/10059585
; Publication No. US20030082776A1
; GENERAL INFORMATION:
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Ishii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-098001
; CURRENT APPLICATION NUMBER: US/10/059, 585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR APPLICATION NUMBER: US 60/183, 322
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159, 590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64

Query Match 94.8%; Score 55; DB 9; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.42;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 4
US-09-71-161A-249
; Sequence 249, Application US/09771161A
; Patent No. US2002011081A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771, 161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724, 676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 249
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-71-161A-249

Query Match 94.8%; Score 55; DB 9; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.42;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 5
US-09-71-161A-250
; Sequence 250, Application US/09771161A
; Patent No. US2002011081A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771, 161A
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 09/724, 676
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 136776
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 135619
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-71-161A-250

```

Query Match 94.8%; Score 55; DB 9; Length 685;
 Best Local Similarity 90.9%; Pred. No. 0.42;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 273 MLLGRPPFETT 283

RESULT 6
 US-09-771-161A-251
 ; Sequence 251, Application US/09771161A
 ; Patent No. US20020110811A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, et al.
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 ; FILE REFERENCE: 802620-2005-1
 ; CURRENT APPLICATION NUMBER: US/09/771,161A
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 09/724,676
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 136776
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 135619
 ; PRIOR FILING DATE: 2000-04-12
 ; NUMBER OF SEQ ID NOS: 273
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 251
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-771-161A-251

Query Match 94.8%; Score 55; DB 9; Length 685;
 Best Local Similarity 90.9%; Pred. No. 0.42;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 273 MLLGRPPFETT 283

RESULT 7
 US-09-769-970-1
 ; Sequence 1, Application US/09769970
 ; Publication No. US20030170219A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; Hillman, Jennifer L.
 ; Corley, Neil C.
 ; Guegler, Karl G.
 ; Lal, Preeti
 ; Goli, Surya K.
 ; Shah, Purvi
 ; TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES
 ; NUMBER OF SEQUENCES: 21
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/769,970
 ; FILING DATE: 24-Jan-2001
 ; CLASSIFICATION: <Unknown>

Query Match 94.8%; Score 55; DB 10; Length 685;
 Best Local Similarity 90.9%; Pred. No. 0.42;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 273 MLLGRPPFETT 283

RESULT 8
 US-10-260-708-69
 ; Sequence 69, Application US/10260708
 ; Publication No. US20040063101A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Scanlan, Matthew
 ; APPLICANT: Lee, Sang-Yull
 ; APPLICANT: Old, Lloyd
 ; TITLE OF INVENTION: Human Sarcoma-Associated Antigens
 ; FILE REFERENCE: L00461/70138
 ; CURRENT APPLICATION NUMBER: US/10/260,708
 ; CURRENT FILING DATE: 2002-09-30
 ; NUMBER OF SEQ ID NOS: 96
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 69
 ; LENGTH: 685
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 US-10-260-708-69

Query Match 94.8%; Score 55; DB 12; Length 685;
 Best Local Similarity 90.9%; Pred. No. 0.42;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 273 MLLGRPPFETT 283

RESULT 9
 US-10-024-298A-101
 ; Sequence 101, Application US/10024298A
 ; Publication No. US20030143540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
 ; APPLICANT: Akio MATSUDA
 ; APPLICANT: Goichi HONDA
 ; APPLICANT: Shuji MURAMATSU
 ; APPLICANT: Yukiko NAGANO
 ; TITLE OF INVENTION: NF-K B Activating Gene
 ; FILE REFERENCE: 1254-0191P

```

; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-024-298A-101

Query Match 94.8%; Score 55; DB 14; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.42;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 10
US-10-042-211A-101
; Sequence 101, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFKB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP 2001-07-11
; PRIOR FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 101
; LENGTH: 685
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-617-217A-101

Query Match 94.8%; Score 55; DB 16; Length 685;
Best Local Similarity 90.9%; Pred. No. 0.42;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
Db 273 MLLGRPPFETT 283

RESULT 12
US-10-264-049-3124
; Sequence 3124, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO: 3124
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (33)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
; US-10-264-049-3124

Query Match 94.8%; Score 55; DB 15; Length 753;
Best Local Similarity 90.9%; Pred. No. 0.46;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
Db 341 MLLGRPPFETT 351

RESULT 13
US-09-736-076-15
; Sequence 101, Application US/10617217A

```

US-09-736-076-57 ; Sequence 57, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) . . . (0)
; OTHER INFORMATION: position 9 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0) . . . (9)
; OTHER INFORMATION: J42
; OTHER INFORMATION: US-09-736-076-15

Query Match 84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
Db 1 MLLGRPPFE 9

RESULT 14
US-09-736-076-18 ; Sequence 18, Application US/09736076
; Patent No. US20020049301A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson Shmuel A.
; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
; FILE REFERENCE: 1242.1015-009
; CURRENT APPLICATION NUMBER: US/09/736,076
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: US 08/861,338
; PRIOR FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLATION
; LOCATION: (1) . . . (0)
; OTHER INFORMATION: position 7 is benzylester
; NAME/KEY: AMIDATION
; LOCATION: (0) . . . (9)
; OTHER INFORMATION: J45
; OTHER INFORMATION: US-09-736-076-18

Query Match 84.5%; Score 49; DB 9; Length 9;
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 LGRRPPFETS 11
Db 1 LGRRPPFETS 9

RESULT 15
US-09-925-300-1268 ; Sequence 1268, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:

APPLICANT: Craig Rosen,
 APPLICANT: Steve Ruben
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: FA101
 CURRENT APPLICATION NUMBER: US/09/925,300
 CURRENT FILING DATE: 2001-08-10
 PRIOR APPLICATION NUMBER: PCT/US00/05988
 PRIOR FILING DATE: 2000-03-08
 PRIOR APPLICATION NUMBER: 60/124,270
 PRIOR FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 1890
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1268
 LENGTH: 329
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: SITE
 LOCATION: (3)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (59)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (307)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (308)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (314)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (317)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (323)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (327)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (328)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 NAME/KEY: SITE
 LOCATION: (329)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 US-09-925-300-1268
 Query Match 84.5%; Score 49; DB 9; Length 329;
 Best Local Similarity 72.7%; Pred. No. 2.2;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFETS 11
 Db 260 LLVGKPPFETS 270

RESULT 18
 US-10-026-021-6
 Sequence 6, Application US/10026021
 Publication No. US20030027756A1
 GENERAL INFORMATION:
 APPLICANT: Hitoshi, Yasumichi
 APPLICANT: Demo, Susan
 APPLICANT: Jenkins, Yonchu
 APPLICANT: Rigel Pharmaceuticals, Inc.
 TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation For
 TITLE OF INVENTION: Treatment of Cancer
 FILE REFERENCE: 021044-001210US
 CURRENT APPLICATION NUMBER: US/10/026,021
 CURRENT FILING DATE: 2002-06-25
 PRIOR APPLICATION NUMBER: US 60/309,632
 NUMBER OF SEQ ID NOS: 273
 SOFTWARE: PatentIn version 3.0

APPLICANT: Craig Rosen,
 APPLICANT: Steve Ruben
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: FA101
 CURRENT APPLICATION NUMBER: US/09/925,300
 CURRENT FILING DATE: 2001-08-10
 PRIOR APPLICATION NUMBER: PCT/US00/05988
 PRIOR FILING DATE: 2000-03-08
 PRIOR APPLICATION NUMBER: 60/124,270
 PRIOR FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 1890
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1268
 LENGTH: 329
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: DOMAIN
 LOCATION: (1) .. (367)
 OTHER INFORMATION: human PLK1 mitotic kinase domain
 US-10-026-021-6
 Query Match 84.5%; Score 49; DB 14; Length 367;
 Best Local Similarity 72.7%; Pred. No. 2.5;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFETS 11
 Db 244 LLVGKPPFETS 254

RESULT 19
 US-09-71-161A-123
 Sequence 123, Application US/09771161A
 Patent No. US20020110811A1
 GENERAL INFORMATION:
 APPLICANT: LEVINE, et al.
 TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 FILE REFERENCE: 802620-2005.1
 CURRENT APPLICATION NUMBER: US/09/771,161A
 CURRENT FILING DATE: 2001-01-26
 PRIOR APPLICATION NUMBER: 09/724,676
 PRIOR FILING DATE: 2000-11-28
 PRIOR APPLICATION NUMBER: 136776
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 135619
 PRIOR FILING DATE: 2000-04-12
 NUMBER OF SEQ ID NOS: 273
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 123
 LENGTH: 516
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-71-161A-123
 Query Match 84.5%; Score 49; DB 9; Length 516;
 Best Local Similarity 72.7%; Pred. No. 3.4;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFETS 11
 Db 157 LLVGKPPFETS 167

RESULT 20
 US-09-71-161A-214
 Sequence 214, Application US/09771161A
 Patent No. US20020110811A1
 GENERAL INFORMATION:
 APPLICANT: LEVINE, et al.
 TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
 FILE REFERENCE: 802620-2005.1
 CURRENT APPLICATION NUMBER: US/09/771,161A
 CURRENT FILING DATE: 2000-11-28
 PRIOR APPLICATION NUMBER: 136776
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 135619
 PRIOR FILING DATE: 2000-04-12
 NUMBER OF SEQ ID NOS: 273
 SOFTWARE: PatentIn version 3.0

SEQ ID NO 214 :|:|||
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens

US-09-771-161A-214

Query Match 84.5%; Score 49; DB 9; Length 603;
 Best Local Similarity 72.7%; Pred. No. 4;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11 :|:|||
 Db 244 LLVGKPPFETS 254

RESULT 21 US-10-406-901-2 :|:|||
 Sequence 2, Application US/10406901
 Publication No. US20040033578A1

GENERAL INFORMATION:
 APPLICANT: Strehhardt, Klaus; Rubsamen-Waigmann, Helga;
 APPLICANT: Holtrich, Uwe

TITLE OF INVENTION: CLONING OF A MEMBER OF THE SERRINE-THREONINE-KINASE FAMILY

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPRUNG HORN KRAMER & WOODS
 STREET: 660 White Plains Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-5144

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
 storage

COMPUTER: NEC Powermate SX-20
 OPERATING SYSTEM: DOS
 SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/406,901
 FILING DATE: 03-Apr-2003
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/634,443
 FILING DATE: 08-Aug-2000
 APPLICATION NUMBER: US/08/601,014
 FILING DATE: 23-FEB-1996
 APPLICATION NUMBER: PCT/EP94/02863
 FILING DATE: 30-AUG-1994
 APPLICATION NUMBER: DE 4329177
 FILING DATE: 30-AUG-1993

ATTORNEY/AGENT INFORMATION:
 NAME: Kurt G. Briscoe
 REGISTRATION NUMBER: 33,141
 REFERENCE/DOCKET NUMBER: Bayer 9516-KGB

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 332-1700
 TELEFAX: (914) 332-1844
 TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 603 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: Protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-406-901-2

Query Match 84.5%; Score 49; DB 12; Length 603;
 Best Local Similarity 72.7%; Pred. No. 4;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11

RESULT 22 US-10-171-311-186 :|:|||
 Sequence 186, Application US/10171311
 Publication No. US20030087270A1

GENERAL INFORMATION:
 APPLICANT: Schlegel, Robert
 APPLICANT: Chen, Yan
 APPLICANT: Zhao, Xumei
 APPLICANT: Monahan, John
 APPLICANT: Kamatkar, Shubhangi
 APPLICANT: Glatt, Karen
 APPLICANT: Gannavarapu, Manjula
 APPLICANT: Hoersh, Sebastian
 TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER

FILE REFERENCE: MRI-035
 CURRENT APPLICATION NUMBER: US/10/171,311
 CURRENT FILING DATE: 2002-06-12
 PRIOR APPLICATION NUMBER: US 60/298,159
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/298,155
 PRIOR FILING DATE: 2001-06-13
 PRIOR APPLICATION NUMBER: US 60/335,936
 PRIOR FILING DATE: 2001-11-14
 NUMBER OF SEQ ID NOS: 238
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 186
 LENGTH: 603
 TYPE: PRT
 ORGANISM: Homo sapiens

US-10-171-311-186 :|:|||
 Query Match 84.5%; Score 49; DB 14; Length 603;
 Best Local Similarity 72.7%; Pred. No. 4;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11 :|:|||
 Db 244 LLVGKPPFETS 254

RESULT 23 US-10-188-832-110 :|:|||
 Sequence 110, Application US/10188832
 Publication No. US20040076955A1

GENERAL INFORMATION:
 APPLICANT: Mack, David H.
 APPLICANT: Aziz, Natasha

APPLICANT: EOS Biotechnology, Inc.

TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions and Methods of Screening for Modulators of Bladder Cancer

FILE REFERENCE: 018501-002330US
 CURRENT APPLICATION NUMBER: US/10/188,832
 CURRENT FILING DATE: 2002-11-22
 PRIOR APPLICATION NUMBER: US 60/302,814
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: US 60/310,099
 PRIOR FILING DATE: 2001-08-03
 PRIOR APPLICATION NUMBER: US 60/343,705
 PRIOR FILING DATE: 2001-11-08
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/372,246
 PRIOR FILING DATE: 2002-04-12
 NUMBER OF SEQ ID NOS: 207
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 110

; LENGTH: 603
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-188-832-110

Query Match 84.5%; Score 49; DB 16; Length 603;
 Best Local Similarity 72.7%; Pred. No. 4;
 Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 244 LLVGKPPFETS 254

RESULT 26
 US-09-736-076-17
 ; Sequence 17, Application US/09736076
 ; Patent No. US20020049301A1

; GENERAL INFORMATION:
 ; APPLICANT: Ben-Sasson Shmuel A.
 ; TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 ; FILE REFERENCE: 1242-1015-009
 ; CURRENT APPLICATION NUMBER: US/09/736,076
 ; CURRENT FILING DATE: 2000-12-13
 ; PRIOR APPLICATION NUMBER: US 08/861,338
 ; PRIOR FILING DATE: 1997-05-21
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 17
 ; LENGTH: 9
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: ACETYLATION
 ; LOCATION: (1) ..(0)
 ; OTHER INFORMATION: position 9 is benzylester
 ; NAME/KEY: AMIDATION
 ; LOCATION: (0) ..(9)
 ; OTHER INFORMATION: J43.1
 US-09-736-076-17

Query Match 79.3%; Score 46; DB 9; Length 9;
 Best Local Similarity 88.9%; Pred. No. 1e+06;
 Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLLGRPPFE 9
 Db 1 MLLGKPPFE 9

RESULT 27
 US-10-026-021-3
 ; Sequence 3, Application US/10026021

; Publication No. US20030027756A1

; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 379
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) ..(379)
 ; OTHER INFORMATION: SAK serine/threonine kinase kinase domain

US-10-026-021-3

; Sequence 3, Application US/10026021

; Publication No. US20030027756A1

; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 379
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: DOMAIN
 ; LOCATION: (1) ..(379)
 ; OTHER INFORMATION: SAK serine/threonine kinase kinase domain

US-10-026-021-3

Query Match 79.3%; Score 46; DB 14; Length 379;
 Best Local Similarity 70.0%; Pred. No. 8.3;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFET 10
 Db 204 LLIGRPPFDT 213

RESULT 28
 US-10-425-114-37528
 ; Sequence 37528, Application US/10425114
 ; Publication No. US20040034888A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Liu, Jingdong
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Kovalic, David K.
 ; APPLICANT: Screen, Steven E.
 ; APPLICANT: Tabaska, Jack E
 ; APPLICANT: Cao, Yongwei
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53313)B
 ; CURRENT APPLICATION NUMBER: US/10/425,114
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 73128
 ; LENGTH: 928
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: LIB4119-112-B4_FLI.pep
 US-10-425-114-37528

Query Match 79.3%; Score 46; DB 12; Length 928;
 Best Local Similarity 70.0%; Pred. No. 20;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFET 10
 Db 162 LLIGRPPFDT 171

RESULT 29
 US-10-026-021-2
 ; Sequence 2, Application US/10026021
 ; Publication No. US20030027756A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hitoshi, Yasumichi
 ; APPLICANT: Demo, Susan
 ; APPLICANT: Jenkins, Yonchu
 ; APPLICANT: Rigel Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: SAK: Modulation of Cellular Proliferation for
 ; TITLE OF INVENTION: Treatment of Cancer
 ; FILE REFERENCE: 021044-001210US
 ; CURRENT APPLICATION NUMBER: US/10/026,021
 ; CURRENT FILING DATE: 2002-06-25
 ; PRIOR APPLICATION NUMBER: US 60/309,632
 ; PRIOR FILING DATE: 2001-08-01
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 970
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; OTHER INFORMATION: human SAK serine/threonine kinase
 US-10-026-021-2

Query Match 79.3%; Score 46; DB 14; Length 970;
 Best Local Similarity 70.0%; Pred. No. 21;
 Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFET 11
 Db 401 LMLGRPPFQAS 411

Query Match 79.3%; Score 46; DB 15; Length 521;
 Best Local Similarity 63.6%; Pred. No. 17;
 Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MLLGRPPFETS 11
 Db

Corley, Neil C.
 Guegler, Karl G.
 Lal, Preeti
 Goli, Surya K.
 Shah, Purvi

TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN KINASES

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/769,970
 FILING DATE: 24-Jan-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/272,796
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J
 REGISTRATION NUMBER: 3,6,749
 REFERENCE/DOCKET NUMBER: PF-0321 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 607 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 1827450
 SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 US-09-769-970-15

Query Match 70.7%; Score 41; DB 10; Length 607;
 Best Local Similarity 63.6%; Pred. No. 96;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 214 LLCGSPPFETA 224

RESULT 37
 US-10-108-580-2
 ; Sequence 2, Application US/10108580
 ; Publication No. US20030077681A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cogswell, John
 ; TITLE OF INVENTION: PLK3 PROTEIN-PROTEIN INTERACTIONS
 ; FILE REFERENCE: PU4458
 ; CURRENT APPLICATION NUMBER: US/10/108,580
 ; CURRENT FILING DATE: 2002-03-28
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 2
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-108-580-2

Query Match 70.7%; Score 41; DB 14; Length 607;
 Best Local Similarity 63.6%; Pred. No. 96;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 214 LLCGSPPFETA 224

RESULT 38
 US-10-204-041-16
 ; Sequence 16, Application US/10204041
 ; Publication No. US20030176443A1
 ; GENERAL INFORMATION:
 ; APPLICANT: STEIN-GERLACH, MATTHIAS
 ; APPLICANT: SALASSIDIS, KONSTADINOS
 ; APPLICANT: BACHER, GERALD
 ; APPLICANT: MULLER, STEFAN
 ; TITLE OF INVENTION: Pyridylpyrimidine Derivatives as Effective Compounds Against Prior
 ; TITLE OF INVENTION: Infections and Prion Diseases
 ; FILE REFERENCE: AXM-007.1P US
 ; CURRENT APPLICATION NUMBER: US/10/204,041
 ; CURRENT FILING DATE: 2002-08-16
 ; PRIOR APPLICATION NUMBER: EP 01111858.5
 ; PRIOR FILING DATE: 2001-05-16
 ; PRIOR APPLICATION NUMBER: PCT/EP02/05420
 ; PRIOR FILING DATE: 2002-05-16
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 16
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-204-041-16

Query Match 70.7%; Score 41; DB 14; Length 607;
 Best Local Similarity 63.6%; Pred. No. 96;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MLLGRPPFETS 11
 Db 214 LLCGSPPFETA 224

RESULT 39
 US-09-012-135A-3
 ; Sequence 3, Application US/09012135A
 ; Patent No. US20020081578A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Plowman, Gregory
 ; APPLICANT: Mossie, Kevin
 ; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF AUR-1
 ; AND/OR AUR-2 RELATED DISORDERS
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Lyon & Lyon
 ; STREET: 633 West Fifth Street
 ; STREET: Suite 4700
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: U.S.A.
 ; ZIP: 90071-2066
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 ; MEDIUM TYPE: storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS 5.0
 ; SOFTWARE: FastSEQ for Windows 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/012,135A
 ; FILING DATE: January 22, 1998
 ; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/005,268
 FILING DATE: January 9, 1998
 APPLICATION NUMBER: 08/755,728
 FILING DATE: NO. US20001578A1ember 25, 1996
 APPLICATION NUMBER: 60/023,943
 FILING DATE: August 14, 1996
 APPLICATION NUMBER: 60/008,809
 FILING DATE: December 18, 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 231/282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-012-135A-3

Query Match 69.0%; Score 40; DB 9; Length 344;
 Best Local Similarity 54.5%; Pred. No. 81;
 Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MILGRPPFETS 11
 Db 266 LLVGNPPFESA 276

RESULT 40

US-10-060-065-13
 Sequence 13, Application US/10060065
 Publication No. US20030017480A1
 GENERAL INFORMATION:
 / APPLICANT: Toshio Ota
 / APPLICANT: Takao Isogai
 / APPLICANT: Tetsuo Nishikawa
 / APPLICANT: Koji Hayashi
 / APPLICANT: Kaoru Otsuka
 / APPLICANT: Jun-Ichi Yamamoto
 / APPLICANT: Shizuko Ishii
 / APPLICANT: Tomoyasu Sugiyama
 / APPLICANT: Ai Wakamatsu
 / APPLICANT: Keiichi Nagai
 / APPLICANT: Tetsuji Otsuki
 / APPLICANT: Shin-Ichi Funahashi
 / APPLICANT: Chiaki Senoo
 / APPLICANT: Jun-Ichi Nezu
 TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
 FILE REFERENCE: 06501-090002
 CURRENT APPLICATION NUMBER: US/10/060,065
 CURRENT FILING DATE: 2002-01-29
 PRIOR APPLICATION NUMBER: PCT/JP00/05061
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/159,590
 PRIOR FILING DATE: 1999-10-18
 PRIOR APPLICATION NUMBER: JP 2000-118776
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: JP 2000-183767
 PRIOR FILING DATE: 2000-05-02
 PRIOR APPLICATION NUMBER: JP 2000-241899

/ PRIOR FILING DATE: 2000-06-09
 / NUMBER OF SEQ ID NOS: 43
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 13
 / LENGTH: 344
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-10-060-065-13

Query Match 69.0%; Score 40; DB 12; Length 344;
 Best Local Similarity 54.5%; Pred. No. 81;
 Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MILGRPPFETS 11
 Db 266 LLVGNPPFESA 276

Search completed: June 9, 2004, 11:22:07
 Job time : 45.2391 secs